

ctaatgagac tggatttttg tttttttatgt tgtgtgtcgc agagctaaaa actcagttcc 300
c 301

<210> 249
<211> 301
<212> DNA
<213> Homo sapien

<450> 249
gtccagagga agcaccttgg tctgaactag gcttgccctg ctgtgaactt gcacttggag 60
ccctgacgct gctgttctcc ccgaaaaacc cgaccgacct ccgcatctc cgtcccgccc 120
ccagggagac acagcagtga ctacagagctg gtccgacct gtccctccct cctcaccgcc 180
catcgtaatg aattattttg aaaatttatt ccaccatctt ttcagattct ggttggaaag 240
actgaatctt tgactcagaa ttgtttgctg aaagaatga tgtgaacttc ttagtcattt 300
a 301

<210> 250
<211> 301
<212> DNA
<213> Homo sapien

<400> 250
ggctctgtac aaggacttgc aggcctgtgg aggcgaagtga ccttaaacac tacacttctc 60
cttatcttta ttggtttgat aaccataatt atttctaaca ctactttatt tccagttgcc 120
cataagcaca tcagtacttt tctctggttg gaatagttaa cttaagtatg gtacatctac 180
ctaaagact actatgttga ataatacata ctatgaagt attacatgat ttaagacta 240
caataaacc aaacatgctt atacattaa gaasacaat aaagatacat gattgaacc 300
a 301

<210> 251
<211> 301
<212> DNA
<213> Homo sapien

<400> 251
gcagaggtcc tacatttggc ccagtttccc cctgcactct ctccagggcc cctgctcat 60
agacaacctc atagagcata ggagaacttg ttgocctggg ggcaggggga ctgtctggat 120
ggcaggggtc ctcaaaaatg ccactgtcac tgcagggaaa tgcctctgag cagtcacact 180
cattgggac aatgaaaagc ttcaagaaat ctccaggctc actctcttga aggcaggaa 240
cctctggag ggggcagtgg aatcccagct ccaggacgga tctgtctgaa agatctctc 300
c 301

<210> 252
<211> 301
<212> DNA
<213> Homo sapien

<400> 252
gcacccaatc actctgtttc acgtgacttt tatcaccata caatttgttg cctttcctca 60
ttttctacat tgtagaatca agagtgtaaa taastgtata tcatgtctt caagatata 120
tcattccctt ttcactagga accccttcaa atataagtc aagaatctta atctcaacaa 180
atatacaag caaactggaa ggcagaataa ctaccataat ttagtataag taaccaaaat 240
tttataaate aaaagcccta atgataacca tttttagaat tcaatcatca ctgtagaate 300
a 301

<210> 253
<211> 301
<212> DNA

<213> Homo sapien

<400> 253

```

ttccctaaag agatgttatt ttgttgggtt ttgttccccc tccatctaga ttctgtacc      60
caactaaaaa aaaaaaatat agaaaaaatg tgetgcgttc tgaaaaaata ctcccttagct      120
tggtctgatt gttttcagac cttaaaaat atacttggtt cacaagcttt aatccatgtg      180
gatttttttt cttagagaac cacaacaat aaaaaggaga agtcggactg aatacctgtt      240
tccatagtga ccacagggtt ttcttcacat ttcttcata ggaaatgct ttttcccaag      300
g

```

<210> 254

<211> 301

<212> DNA

<213> Homo sapien

<400> 254

```

cgctgcgact ttcccttggg ggagggggcaa ggcagagggg ggtccaaagt cagcagagg      60
aacttgacca attcccttga agggggtggg ttaaaccttg taastgggaa caaatcccc      120
ccaatctct tcatcttacc ctggtggact cctgactgta gaattttttg gttgaaacaa      180
gaaaaaasta aagcttttga cttttcaagg ttgcttaaca ggtactgaaa gactggcttc      240
acttaaatcy agccaggaaa agctgcagat ttattaatgy gtgtgttagt gtgcagtgc      300
t

```

<210> 255

<211> 302

<212> DNA

<213> Homo sapien

<400> 255

```

agcttttttt tttttttttt tttttttttt ttcattaaaa aatagtgttc tttattataa      60
attactgaaa tgtttttttt ctgaatatat atataatat gtgcaaatgt tgacttggat      120
tgggattttt ttgagttctt caagcctctc ctaataacct caagggcctg agtagggggg      180
aggaaaaagg actgagagtg gaattcttat aaaaaacaag agtgattgag gcagattgta      240
aacattatta aaaaacaaga aacaaacaaa aaatatagaa aaaaaaacac ccaaacacac      300
aa

```

<210> 256

<211> 301

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (301)

<223> n = A,T,C or G

<400> 256

```

gttccagaaa acattgaagg tggcttcccc aagtctaaact agggatcccc cctctagcct      60
aggacccctc tccccacacc tcaatccacc aaccatcca taatgcaccc agataggccc      120
acccccaaaa gcttgacac cttgagcaca cagttatgac caggacagac tcatctctat      180
aggcaaatag ctgctggcaa actggcatta cctggtttgt ggggatgggg gggcaagtgt      240
gtggcctctc ggcctgggta gcaagascac tcagggtagg cctaaqttan tegtgttagt      300
t

```

<210> 257

<211> 301

<212> DNA

<213> Homo sapien

```

<400> 257
gttgtggagg aactctggct tgctcattaa gtctactga ttttactat cccctgaatt    60
tccccactta tttttgtctt tcactatcgc aggccttaga agaggctctac ctgcctccag    120
tcttacctag tccagtctac cccctggagt tagaatggcc atcctgaagt gaaaagtaat    180
gtcacattac tcccttcagt gatttcttgt agaatgcca atcctgaat gccaccaaga    240
tcttaattct caccatctta atcttatctc ttgactcct cttaacacc gagaaaggac    300
c
301

```

```

<210> 258
<211> 301
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

```

```

<400> 258
cagcagtagt agatcccgta tgccagcag cccagcactc ccaggatcag caccagcacc    60
aggggcccag ccaccaggcg cagsagcaag ataacagta ggctcaagac cagagccacc    120
cccagggcaa ccagatcca ataccaggac tgggcaaat ctccaaagat cttaacctg    180
atgtctggg callgaggct gtcaataana cgtgatccc ctgtgtatg gtgtgtcat    240
tggatgccc tgggagcgcc ggtggagtaa cgttggtcca tggaaagcag cgcacacac    300
t
301

```

```

<210> 259
<211> 301
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

```

```

<400> 259
tcatatatgc aaacaaatgc agactangcc tcaggcagag actaaaggac atctcttggg    60
gtgtcttgaa gtgatttggg cccctgaggg cagacacctc agtagguatc ccagtgggaa    120
gcaaaagccat aaggaagccc aggattcttt gtgatcagga agtgggcccag gaaggtctgt    180
tccagctcac atctcatctg catgcagcac ggacccgatg cgcacactgg gtcttggctt    240
ccctccctc tctccaagca gtgtccttgt tgaagcattt gcctccttgg ctccaggtgg    300
c
301

```

```

<210> 260
<211> 301
<212> DNA
<213> Homo sapien

```

```

<400> 260
ttttttttct cctaaggaa aaagaaggaa caagtctcat aaacccaaat aagcaatggt    60
aaggtgtctt aacttgaaaa agattaggag tcactggttt acaagttata atbgaatgaa    120
agaactgtaa cagccacagt tggccatttc atgccaatgg cagcaaacaa caggattasc    180
tagggcaaaa taaataaagt tgtggaagcc ctgataagtg cttaataaac agactgattc    240
actgagacat cagtacctgc ccgggggggc gctcgagccg aattctgcag atatccatca    300
c
301

```

<210> 261
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 261
 aaatattoga gcaaatcctg taactaatgt gtctccataa agggctttga actcagtgaa 60
 totgcttcca tccacgattc tagcaatgac ctctcggaca tcaagctcc tcttaagggtt 120
 agcaccacac attccataca attcaatcago aggaatataa ggctcttcag aagggttcaat 180
 ggtgacatcc aatttctctt gataatttag attcctcaca accttcttag ttaagtgaag 240
 ggcattgatg tcatccaaag cccagtggtc acttacteca gaatttctgc aatgaagatc 300
 a 301

<210> 262
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 262
 gaggagagcc tgttacagca tttgtaagca cagaatactc caggagtatt tgaatttgc 60
 tgtgagcttc ttgcgcgaag tctctcagaa atttaaaaag atgcaaatcc ctgagtcacc 120
 cctagacttc ctaaaaccaga tctctctggg ctggaacctg gcactctgca tttgtaatga 180
 gggctttctg gtgcacacct aattttgtgc atctttgccc taaatcttgg attagtgcgc 240
 catcattacc cccacattat aatgggatag attcagagca gatactctcc agcaagaat 300
 c 301

<210> 263
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (301)
 <223> n = A, T, C or G

<400> 263
 tttagcttgt ggtaaatgac tcacaaaact gattttaaaa tcaagttaat gtgaattttg 60
 aaaattacta cttaatecta attcacasta acaatggcat taagggtttg ctgaggttgg 120
 ttcttagtat tatttatggt aaataggctc ttaccacttg caataaactg gccacatcat 180
 taatgactga ctccccagta aggtctctca aggggtaagt angaggatcc acaggatttg 240
 agatgctaag gcccagaga tegtgtgac caacctctt attttcagag gggaaaatgg 300
 g 301

<210> 264
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 264
 aaagacgtta aaccactcta ctaccacttg tggactctc aaagggttaa tgacaaaacc 60
 aatgaatgac tctaaaaaca atatttacat ttaatggttt gttagacata aaaaaaacag 120
 gtggatagat ctagaattgt aacattttta gaasaccata scatttgaca gatgagaaag 180
 ctcaattata gatgcaaatg tataactaaa ctactatagt agtaagaaa tacatttcac 240
 acccttcata taatttcact atcttggtt gaggcattcc ataaaatga tcaagtgcac 300
 a 301

<210> 265

88

<211> 301
 <212> DNA
 <213> Homo sapien

<400> 265
 tgcccaagtt atgtgtaagt gtatccgcac ccagaggtaa aactacactg tcattctttgt 60
 ettcttgtga cgcagtatit etttctctggg gagaagccgg gaagtctttct cctggctcta 120
 catattcttg gaagtctcta atcaactitt gtccattttg ttctattttct tcaggaggga 180
 ttttcagttt gtcacatgt tctctaacaa caattgccc tttctgtaaa gaatccaaag 240
 cagtcacagg ctttgacatg tcaacaacca gcataactag agtatccttc agagatacgg 300
 c 301

<210> 266
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 266
 taccgtctgc ccttctctcc atccaggcca tctgcgaatc tacatgggtc ctctattctg 60
 acaccagatc actctttctt ctaccacacag gcttgcctatg agcaagagac acacactctt 120
 ctctctcttg ttccagcttc tttctctgtt cttctccccc ctttaagttct attcctgggg 180
 atagagacac caatacccat aacctctctc ctaagcctcc ttataaccca ggggtgcacag 240
 cacagactcc tgacaactgg taaggccaat gaactgggag ctccacagctg gctgtgctg 300
 a 301

<210> 267
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 267
 aaagagcaca ggcagctca gcttgccctg gccatctaga ctacgcttg ctccatgggg 60
 gttctcagtg ctgagtcctt ccaggaaaag ctacactaga cctcttgagg ctgaatcttc 120
 atcttcacag gtcagcttctg agagcttgat attcctagcc ttgatggctt ggagtaaaag 180
 ctcatcttga ttctctctct tctttctctt caagttggct ttcttcacat cctctgttc 240
 aattcgcttc agcttgtctg ctttagccct catctccaga agcttctctt ctttggcctc 300
 t 301

<210> 268
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 268
 aatgtctcac tcaactactt cccagcctac cgtggcctaa ttctgggagt tttctcttta 60
 gatcttggga gagctgggtc ttctaaggag aaggaggaag gacagatgta accttggatc 120
 tcgaagagga agtctaattg aagtaattag tcaacggctc ttgttttagc tcttggcata 180
 tgctgggttg ctacgtgggc ccttttggag aaagcaagta ttattcttaa ggagtaacca 240
 ctcccaattg ttctacttct taccatcctc aattgtatat tatgtattct ttggagaact 300
 a 301

<210> 269
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 269
 taacaatata cactagctat ctttttaact gtccatcatt agcaccaatg aagattcaat 60

89

```

aaaattacct ttattcacac atctcaaaac aattctgcac attcttagtg aagtttaact 120
atagtcacag accttaataa ttacatttgt ttctatgtgc tactgaaast aagttcacta 180
ctttcttgga tcttctttac aaatctttat taaaattcct ggtattatca cccccaatta 240
tacagtagca caaccacctt atgtagtgtt tacatgatag ctctgtagaa gtttcacato 300
t

```

```

<210> 273
<211> 301
<212> DNA
<213> Homo sapien

```

```

<400> 270
cattgaagag cttttgcgaa acatcagaac acaggtgctt ataaaattaa ttaagcctta 60
cacaagaata catattcctt ttatttctaa ggagttaaac atagatgtag ctgatgtgga 120
gagcttgctg gtgcagtgcg tattggatga cactattcat ggcgaattg atcaagtcaa 180
ccaactcctt gaactggatc atcagaagaa ggggtggtgc cgatatactg cactagataa 240
tggaaccaac aactaaatto tctcaccagg ctgtatcagt aaactggctt aacagaaaac 300
a

```

```

<210> 271
<211> 301
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc feature
<222> (1)...(301)
<223> n = A,T,C or G

```

```

<400> 271
aaaagggtct cataagatta acaattttaa taaatatttg atagaacatt ctttctcatt 60
tttatagctc atcttttagg ttgatattca gtctatgctt ccttgcgtgt tcttgatcca 120
gaattgcaat cacttcacca gctgtatctt gctccaatc tctataaagt gggtcacagg 180
tgaacacag agccacagca cactcttttc ccttggtgac tgccttcacc ccatgagggt 240
tctctctctc agatganaac tgatcatgag cccacatttt gggttttata gaagcagtc 300
c

```

```

<210> 272
<211> 301
<212> DNA
<213> Homo sapien

```

```

<400> 272
taaattgcta agccacagat aacaccaate aaatggasca aatcactgic ttcaaatgic 60
ttatcagaaa accaatgag cctggaatct tcataatacc taacatgac gtattttagga 120
tccaatcaat ccttcattgt gagcagaaga aattctttgc gcacccctcc tgcattccaa 180
gcattctctc caacaaatat aaccttgagt ggtctcttgt aatctatgtt ctttgttttc 240
ctaaggactt ccattgcate tctacaata tttctctac gcaccactag aattaagcag 300
g

```

```

<210> 273
<211> 301
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc feature
<222> (1)...(301)

```

<223> n = A,T,C or G

<400> 273

```
acatgtgtgt atgtgtatct ttgggaaaaa aanaagacat cttgttttct attttttttg 60
agagangctg ggacatggat aatcacwtaa ttgtctayta tyactttaat ctgactyga 120
gaaccgtota aaaataaaat ttaccatgtc dtatatctct tatagtatgc ttatttcacc 180
tityttctgt ccagagagag tatcagtgac ananattima gsgtgaamac atgmatttgt 240
gggacttcty tttaacngam accctgcccg agcgcctctg makngantt ccgcaananc 300
t 301
```

<210> 274

<211> 301

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(301)

<223> n = A,T,C or G

<400> 274

```
cttatatact ctttctcaga ggcaaaagag gagatgggtt atgtagacaa ttctttgagg 60
aacagtaaat gattattaga gagaangaat ggcccaagga gacagaaatt aacttgtaaa 120
tgattctctt tggaaatctga atgagatcaa gaggcagct ttacgttctg gaaaagtcca 180
tctaggtatg gttagattct cgtctctctt tctgcagtag atastgaggt aaccgaaggt 240
aattgtgctt cttttgataa gaagctttct tggctatctc aggaattctc aganaaagtc 300
c 301
```

<210> 275

<211> 301

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(301)

<223> n = A,T,C or G

<400> 275

```
tcggtgtcag cagcacgttg cattgaacat tgcattgttg agcccaaaac acagaaaatg 60
gggtgaaatt ggccaacttt ctattaactt atgttggcaa ttttgcacc aacagttaagc 120
tggcccttct aataaaagaa aattgaaagg tttctcacta aacggaaatta agtagtggag 180
tcaagagact cccagggctc agcgtacctg cccggggcgc cgtctgaagc cgaattctgc 240
agatatccat caccctggcg gncgctcgan catgcatcta gaaggnccaa ttgcacctat 300
a 301
```

<210> 276

<211> 301

<212> DNA

<213> Homo sapien

<400> 276

```
tgtacacata ctcaataaat aaatgaactgc atgttggtat tattactata ctgatttat 60
ttatcatgtg acttctaatt agaaaatgta tccaaaagca aacacgcaga tatcaaaat 120
taaagagaca gaagatagac attaacagat aaggcaactt atacattgag aatccaaatc 180
caatacattt aaacattttg gaaatgaggg ggacaaatgg aagccagatc aaatttgtgt 240
aaaactatct agtatgtttc ccttgcttca tgtctgagaa ggctctcctt caatggggat 300
g 301
```

91

<210> 277
 <211> 301
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> {1}...{301}
 <223> n = A,T,C or G

<400> 277
 ttgtttgatg tcagtatttt attacttgog ttatgagtg tcacctggga aattctaaag 60
 atacagagga ctggagggaa gcagagcaac tgaatttaat ttaaaagaa gaaaacattg 120
 gaatcatggc actcctgata ctttcccaaa tcaacactct caatgcccca cctctgtcct 180
 caccatagtg gggagactaa agtggccacg gatttgcctt anggtgagc tgcgttctga 240
 gttonctgtc gattacatct gaccagtctc ctttttcoga agtccntccg ttcaatcttg 300
 c 301

<210> 278
 <211> 301
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> {1}...{301}
 <223> n = A,T,C or G

<400> 278
 taaccactaca ctccagcctg ggcaacagag caagaactgt ctcaaagcat aaastggaat 60
 aacatattcaa atgaacaggg gaaaatgaag ctgacaattt atggaagcca ggccttgcca 120
 cagtctctaa tgttattatg cattaactgg gaatttatat aagcccttaa taataatgcc 180
 aatgaacatc tcatgtgtgc tcacaaatgtt ctggcactat tataagtgtc tcacaggttt 240
 tatgtgttct tcgttaacttt atggantagc tactcgcccg cgaacacgct aagccgaatt 300
 c 301

<210> 279
 <211> 301
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> {1}...{301}
 <223> n = A,T,C or G

<400> 279
 aaagcaggaa tgacaaagct tgcctttctg gtatgttcta ggtgtatigt gacttttact 60
 gttatattaa ttgccaatat aagtaaatat agattatata tgtatagtgt ttcccaagc 120
 tttagacctt accttcagc cccccacag tgcctgatat ttcaagctca gtcatttggt 180
 atacatgtgt agttccaaag cacataagct agaanaaaaa atctttctag ggagcactac 240
 catctgtttt cacatgaat gccacacaca tagaactcca acatcaattt cattgcaag 300
 a 301

<210> 280
 <211> 301
 <212> DNA

<213> Homo sapien

<400> 280

ggtactggag	ttttcctccc	ctgtgaaaaa	gtaaactactg	ttgggagtga	attgaggatg	60
tagaaaggtg	gtggaaccaa	attgtggtea	atggaatag	gagaatatgg	ttctcactct	120
tgagaaaaaa	acctaaagatt	agcccaggta	gttgccctga	acttcagttt	ttctgectgg	180
gtttgatata	gtttagggtt	ggggtttagat	taagatctaa	attacatcag	gacaaagaga	240
cagactatta	actccacagt	taattaagga	ggtatgitec	atgtttattt	gttaaagcag	300
t						301

<210> 281

<211> 301

<212> DNA

<213> Homo sapien

<400> 281

aggtacaaga	aggggaatgg	gaagagactg	ctgctgtggc	attgttcaac	ttggatatcc	60
gccagagcaat	ccaaatcctg	aatgaagggg	catctctctga	aaaaggagat	ctgaatctca	120
atgtggtagc	aattggcttta	tcgggttata	cggtatgaga	gaactccctt	tgagagagaa	180
tgtgtagcac	actgagatta	cagctaaata	acccgtatct	gtgtgtcatg	tttgcatctc	240
tgacaagtga	aacaggatct	tacgatggag	ttttgtatga	aacaaagtt	gcagtacctc	300
g						301

<210> 282

<211> 301

<212> DNA

<213> Homo sapien

<400> 282

caggtactac	agaattaaaa	tactgacaag	caagtagttt	cttggcgtgc	acgaattgca	60
tcacgaaccc	aaaaatttaag	aaattcaaaa	agacatlttg	tgggcaccctg	ctagcacaga	120
agcgcagaaq	caaaagccag	gcagaaccat	gctaaccctt	cagctcagcc	tgacacagaag	180
cgacagaagca	aagcccaggc	agaaccatgc	taaccttaca	gtcagcctg	cacagaagcg	240
cagaagcaaa	gcccaggcag	aacatgctaa	ccttacagct	cagcctgcac	agaagcacag	300
a						301

<210> 283

<211> 301

<212> DNA

<213> Homo sapien

<400> 283

atctgtatac	ggcagacaaa	ctttatarag	tgtagagagg	tgagcgaaag	gatgcaaaag	60
cactttgagg	gctttataat	aataatgctg	ttgaaaaaaa	aaatgtgtag	ttgatactca	120
gtgcatctcc	agacatagta	aggggttgct	ctgacccaac	aggtgatcat	ttttctctac	180
acttcccagg	ttttatgcaa	aaattttgtt	aaattctata	atggtgatat	gcattcttta	240
ggaaacatat	acatttttaa	aaatctatct	tatgtaagaa	ctgacagacg	aatttgcttt	300
g						301

<210> 284

<211> 301

<212> DNA

<213> Homo sapien

<400> 284

caggtacaaa	acgctattaa	gtgggttaga	atttgsacat	ttgtggtctt	tatttaacttt	60
gcttcgtgtg	tggycaaaag	aacatcttcc	ctaaatatat	attaccaaga	aaagcaagaa	120
gcagattagg	tttttgacaa	aacaaacagg	ccaaaagggg	gctgacctgg	agcagagcat	180

```

ggtgagaggg aagggcatgag agggcaagtt tgtgtgtggac agatctgtgc ctacttttatt 240
actggagtaa aagaaaaaaa agtttcattga tgtcgaagga tatatacagt gttagaaatt 300
a 301

```

```

<210> 285
<211> 301
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

```

```

<400> 285
acatcaccat gatcggtacc cccaaccatt atacgttgta tgtttacata aatactcttc 60
aatgatcatt agtgttttaa aaaaaatact gaaaactcct tctgcctccc aatctctaac 120
caggaagaga aatgctatct acagacctgc aggcctccc tcacaacaaa ctattttctg 180
attaaataty tctgacttct tttgaggtca cagcactagg caaatgctat ttaagatctg 240
caaaagctgt ttgaagagtc aaagccccc cgtgacacg atttctggac cctgtaacag 300
t 301

```

```

<210> 286
<211> 301
<212> DNA
<213> Homo sapien

```

```

<400> 286
taccactgca ttccagcctg ggtgacagag tgagactcgg tctccaaaaa aaacttttgc 60
tgtatattat ttttgcctta cagtggatca ttctagtagg aaaggacagt aagatttttt 120
atcaaaatgt gtcattgccg taagagatgt tatattcttt tctcatttct tccccaccca 180
aaaataagct accatatagc ttataagttt caaatttttg ccttttacta aaatgtgatt 240
gtttctgttc attgtgtatg ctccatcacc tatatttagg aaatttcatt ttttcccttg 300
t 301

```

```

<210> 287
<211> 301
<212> DNA
<213> Homo sapien

```

```

<400> 287
tacagatctg ggaactaaat attaaaaatg agtgtggctg gatatastga gaatgttggg 60
cccagaagga acgtagagat cagatattac aacagctttg ttttgagggt tagaaatag 120
aatgatcttg gttatgaag caccgtttag gcagcagggc cagaatcctg accctctgcc 180
ccgtggttat ctccctccca gcttggctgc ctcatgttat caccgtatcc cattttgttt 240
gttgcatgtc ttgtgaagcc atcaagattt tctcgtctgt tttctctcca ttggtaatgc 300
t 301

```

```

<210> 288
<211> 301
<212> DNA
<213> Homo sapien

```

```

<400> 288
gtacacctca ctgcaaggac agctgaggaa tgtaatgggc agccgctttt aaagaagtag 60
agtcactagg aagacaaatt ccagttccag ctcaagtctg gtatctgcaa agctgcacaa 120
gatctttasa gacaaatttc agagaatatt tctttaaagt tggcaatttg gagatcctac 180
aaaagcatct gcttttctga ttttaattag ctcatctggc cactggaaga atcaaacag 240

```

tctgccttaa ttttggatga atgcatgatg gaatttcaat aatttagaaa gttaaaaaaa 390
 a 391

<210> 289
 <211> 301
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 289
 ggtacactgt ttccatgta tgtttctaca cattgtacc tcagtgtcc tggaaactta 60
 gcttttgatg tctccaagta gtccaccttc atttaactct ttgaaactgt atcatctttg 120
 ccaagtaaga gtggtgacct atttcagctg ctttgacaaa atgactggct cctgacttaa 180
 cgttctataa atgaatgtgc tgaagcaaaag tgcacatggt ggcgggcgaan aagagaaaga 240
 tgtgttttgt tttggactct ctgtggctcc ttccaatgt gtgggtttcc aaccagngga 300
 a 301

<210> 290
 <211> 301
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 290
 acactgagct cttcttgata aatatacaga atgcttggca tacaacagat tctatactac 60
 tgactgatct gtccatttct ctccagctc ttaccoccaa aagcttttcc accctcagtg 120
 ttctgacctc cttttctaast cacagtggg atagaggcag anccacctac aatgaacatg 180
 gagttctata aagagggcaga aacagcacag atccccagtt ttaccattcg ctacagctgc 240
 tgccttgaa caaaacattt ctccatgtct cttttcttc atgacctcag taacagtgg 300
 a 301

<210> 291
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 291
 caggtaacca tttctttctat cctagaaaca ttccatttta tgttgttga acataacaa 60
 tatatcagct agattttttt tctatgcttt acctgctatg gaaaatttga cacattctgc 120
 ttactctttt tgtttatagg tgaatcaca aatgtatttt tatgtattct gtatgtcaat 180
 agccatggct gtttacttca ttttaatttat ttagcataaa gacattatga aagggcctaa 240
 acatgagctt caottcccca ctaactaatt agcatctgtt atttcttaac cgtaatgctt 300
 a 301

<210> 292
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 292
 accttttagt agtaattgtct aataataaat aagaattcaa ttttatnagg tccatatago 60
 tgtattaat aatttttaag tttaaaagat aaatatccat cafttttaat gtgggtatkc 120
 aaaaacaaag natataacog aaaggaaaaa cagatggagac ataaaaatgat ttgcaagatg 180
 ggaaatatag taatttatga atgttnatta aattccagtt ataatagtgg ctacacacte 240
 tcactacaca cacagacccc acagtccat atgcccacaa cacatttoca taacttgaaa 300
 a 301

<210> 293
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 293
 ggtaaccaagt gctgggtgcc gctgtttacc tgttctcact gaaaagtctg gctaattgctc 60
 ttgtgtagtc atttctgatt ctgacaatca atcaatcaat ggcttagagc actgaactgtt 120
 aacacaaaag tcaatagcaa agtagcaaca gcttttaagtc taatatcaaa gctgtttctgt 180
 gtgagaattt tttaaaaggo tacttgata ataacccttg tcatitttaa tgtacctcgg 240
 ccgcgaccac gctaagccga attctgcaga tatccatcac actggggggc gctcgagcat 300
 g 301

<210> 294
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 294
 tgaccatcaa caatatcac tagctatctt tttactgtc catcattagc accaatgaag 60
 attcaataaa attaccttta ttacacacac tcaaaacaat tctgcacatt cttagtgaag 120
 tttactata gtcacaganc ttcaatatcc acattgtttt ctatgtctac tgaataaag 180
 ttcactactt ttctgggata ttctttacaa aatcttatta aaattccctg tattatcacc 240
 ccaattata cagtagcaca accaccttat gtagttttta catgatagct ctgtagaggt 300
 t 301

<210> 295
 <211> 305
 <212> DNA
 <213> Homo sapien

<400> 295
 gtactcttct tctccctccc tctgaattta attctttcaa ottgcaattt gcaaggatta 60
 cacatttcac tgtgatgat attgtgttgc aaaaaaaa gtgtctttgt ttaaaattac 120
 ttggtttgtg aatccatctt gctttttccc cattggaaet agtcattcac ccatctctga 180
 actggttaga aaactctga agagctagtc tatcagcac tgacaggtag attggatggt 240
 tctcagaacc atttccccc gacagcctgt ttctatctcg ttttaataat tagtttgggt 300
 tctct 305

<210> 296
 <211> 301

96

<212> DNA

<213> Homo sapien

<400> 296

```

aggtaactatg ggaagctgct aaaataatat ttgatagtaa aagtatgtaa tgtgctatct    60
cacctagtag taaactaaaa ataaactgaa actttatgga atctgaagtt attttccttg    120
attaatatga attaataaac caatatgagg aaacatgaaa ccattgcaatc tactatcaac    180
tttgaaaaag tgattgaacg aaccacttag ctttcagatg atgaacactg ataagtcatt    240
tgtcattact ataanatttta aaatctgtta atascgatgc ctatagggag gaaaaagggg    300
c

```

<210> 297

<211> 300

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 297

```

actgagtttt aactggacgc caagcaggca aggtggaag gttttgctct ctttgtcta    60
aaggttttga aaactttaga ggagaatcat ttgacaaga agtacttaag agtctagaga    120
acaagangt gaaccagctg aagctctctg ggggaanctt acatgtgttg tttaggcctgt    180
tccatcattg ggagtgaact ggcacccctt csaattttgt ctgggctggc ctgagtgctc    240
accgaacctc ggcgcgcacc acgctaagcc gaattctgca gataccatc acactggcgg    300

```

<210> 298

<211> 301

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(301)

<223> n = A,T,C or G

<400> 298

```

tatggggttt gtacccccaa agctgatgct gagaaaggcc tccctggggc cctcccgccg    60
ggcatctgag agacctggtg ttccagtgtt ttgggaattg ggtcccagtg ccgcgggctg    120
tgaagctctc agatcaatca cgggaagggc ctggcggttg tggccacctg gaaccacctt    180
gtcctgtctg ttacatttcc actaycaggt ttctctctgg cattacnatt tgttccccct    240
aaacagtgac ctgtgcattc tgctgtggcc tgctgtgtct gcagggtgct ctacagcagg    300
t

```

<210> 299

<211> 301

<212> DNA

<213> Homo sapien

<400> 299

```

gttttgagac ggaagtttcc tcttgttgcc cagactggac tgcaatggca gggctctctgc    60
tcaatgcacc ctctgcctcc caggttcgag caattctcct gcttcagcct ccaggttagc    120
tgggattgca ggctcagccc accataccca gctaattttt ttgtattttt agtagagacg    180
gagtttgcgc atgttggcca gctggctctc aactcctgac ctcaagcgac ctgactgcct    240
eggctcccca aagtgctgga attataggca tgaatcaaca cggccagcct aaagatattt    300
t

```

<210> 300
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 300
 attcagtttt atttgcctgc ccagtatctg taaccaggag tgcacacaaa tcttgccaga 60
 tatgtccac acccactggg aaaggctccc acctggctac ttcctctatc agctgggtca 120
 gctgcatcc acaaggttct cagcctaatt agtttcaata cctgccagtc tcaaaactta 180
 gtaaagcsag acctgacat tccccacgg aaatcagagt ttgcccacc gtcttgttac 240
 tataagcct gecttaaca gtcttgctt ctccacaca atcccagag catccccc 300
 g 301

<210> 301
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 301
 ttaasttttt gagaggataa aaaggacaaa taatctagaa atgtgtcttc ttcagtctgc 60
 agaggacccc aggtctccaa gcaaccacat ggtcaagggc atgaataatt aaaagttggt 120
 gggaaactac aaagacccct agagctgaga caaccacaa agtgggagct cacaagacc 180
 ctgagagctg agacacccac aacagtggga gctcacaaag accctcagag ctgagacacc 240
 cacaaccgca cctgcttcag ctgccacatg tgtgaataag gatgcaatgt ccagaagtgt 300
 t 301

<210> 302
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 302
 aggtacacat ttagcttctg gtaaatgact cacaacaactg attttaaaat caagttaatg 60
 tgaattttta aaattactac ttaattctaa ttcacaataa caatggcatt aaggtttgac 120
 ttgagttggt tcttagtatt atttatggta aataggctct taccacttgc aaataactgg 180
 ccacatcatt aatgactgac ttccagtaa ggcctctctc ggggtaagta ggaggatcca 240
 caggatttga gatgctaaag ccccgagat cgtttgater aacctctta ttttcagagg 300
 g 301

<210> 303
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 303
 aggtacacac tctggaaata ggtagaggat catTTTTtct ttcctatca actaagttgt 60
 atattgtttt ttgacagttt aacacatctt ctctgtcag agattcttct acaatagcac 120
 tggtaaatgg aactaccgct tgcattgtaa aaatgggtgt ttgtgaaatg atcatagccc 180
 agtaacgggt atgttttct aactgatctt ttgtctgttc caaagggacc tcaagacttc 240
 catcgatttt atctctgggg tctagaaaag ggttaatct gtttccctc ataaattcac 300
 c 301

<210> 304
 <211> 301
 <212> DNA
 <213> Homo sapien

98

<400> 304
 acatggatgt tatittgcag actgtcaacc tgaatttgta ttgcttgac attgcctaatt 60
 tattiagtctt agtttcagct taccacacttt ttgtctgcaa catgcaraaa agacagtgcc 120
 ctttttagtg tatcatatca ggaatcatct cacattgggtt tgtgccatta ctgggtgcagt 180
 gaatttcagc cacttgggta aggtggagtt ggccatatgt ctccactgca aaattactga 240
 ttttcctttt gtaatttaata agtgtgtgtg tgaagattct ttgagatgag gtatatatct 300
 c 301

<210> 305
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 305
 gangtacagc gtgggtcaagg taacaagaag aaaaaaatgt gagtggcacc ctgggatgag 60
 caggggggaca gaacttgaca gacacgttgt catttgcctgc tgtgggtagg aaatatggcg 120
 taaaggagga gaacacagata caaaatctcc aactcagtat taagggtatc tcatgcctag 180
 aatatttgta gaaacaagaa tacattcata tggcaaataa ctaaccatgg tggaaacaaa 240
 ttctgggatt taagttggat accaangaaa ttgtattana agagctgttc atggastaag 300
 a 301

<210> 306
 <211> 8
 <212> PRT
 <213> Homo sapien

<400> 306
 Val Leu Gly Trp Val Ala Glu Leu
 1 5

<210> 307
 <211> 637
 <212> DNA
 <213> Homo sapien

<400> 307
 acaggggatg aagggaagg gagaggatga ggaagccccc ctggggattt ggtttggtcc 60
 ttgtgatcag gtggtctatg gggcttatcc ctacaaagaa gaatocagaa atagggggcac 120
 attgaggaat gatacttgag cccaaagagc attcaatcat tgttttattt gccttmtttt 180
 cacaccattg gtgaggagg gattaccacc ctgggggttat gaagatggtt gaacacccca 240
 cacatagcac cggagatatg agatcaacag tttcttagcc atagagattc acagcccaga 300
 gcaggaggac gcttgccacc catgcaggat gacatggggg atgcgctcgg gatttggttg 360
 aagaagcaag gactgtttag ggcaggcttt atagtaacaa gacgggtggg caaactctga 420
 ttcccgtagg ggaatgtcat ggtcttgctt tactaagttt tgagactggc aggtagtga 480
 actcattagg ctgagaacct tgtgggaatgc acttgaccca actgatatag gaagtagcca 540
 ggtgggagcc ttccccagtg ggtgtgggac atatctggca agattttgtg gcactcctgg 600
 ttacagatcc tggggcagca aataaaaactg aatcttg 637

<210> 308
 <211> 647
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (647)
 <223> n = A,T,C or G

<400> 308
 acgattttcc ttatcatgta aatcgggtca cteaaggggc caaccacagc tgggagccac 60
 tgcacagggg aaggttcata tgggacttcc tactgcccac ggttctctac aggatataaa 120
 ggngcctcsc agtatagatc tggtagcnaa gaagaagaaa caaacactga tctctttctg 180
 ccccccctct gaccttttgg aactcctctg acccttttaga acaagcctac ctaatatctg 240
 ctagagaaaa gaccaacaac ggccctcaag gatctcttac catgaaggte tcagctaatt 300
 cttggctaaag atgtgggttc cacattaggt tctgaatatg gggggaaggg tcaatttget 360
 cattttgtgt gtggataaag tcaggatgcc cagggggccag agcagggggc tctttgcttt 420
 gggacaastg gctgagcata taaccatagg ttatggggaa caaaacaaca tcaagtcac 480
 tgtatcaatt gccatgaaga cttgagggac ctgaatctac cgattcatct taaggcagca 540
 ggaccagttt gagtggcaac aatgcagcag cagaatcaat ggaacaaca gaatgattgc 600
 aatgtccttt tttttctctt gcttctgact tgataaaagg ggccctt 647

<210> 309
 <211> 460
 <212> DNA
 <213> Homo sapien

<400> 309
 acttttagt ttaggctgga cattggaaaa aaaaaaagc cagaacaaca tgtgatagat 60
 aatatgattg gctgcacact tccagactga tgaatgatga agtgatgga ctattgtatg 120
 gaggacatct tcagcaagag ggggaaatcc tcaatatttt tggccagcag ttgtttgatc 180
 accaaacatc atgccagaat actcagcaaa ccttcttagc tcttgagaag tcaagtcocg 240
 ggggaattta ttccctggca ttttaatttg actccttatg tgagagcagc ggctacccag 300
 ctgggggtgt ggagcgaaac cgtcactagt ggacatgcag tggcagagct cctggttaac 360
 acctagagga atcacagggc acatgtgtga tgccaagcgt gacacctgta gcactcaaat 420
 ttgtcttgtt tttgtcttcc ggtgtgttaag attcttaagt 460

<210> 310
 <211> 539
 <212> DNA
 <213> Homo sapien

<400> 310
 acgggactta tcaaataaag ataggaaaag aagaaaaact aatatattata ggccgaaatg 60
 ctaasggttt taaaatatgt caggattgga agaaggcatg gataaagaac aaagttcagt 120
 taggaaagag aaacacagaa ggaagagaca caataaaagt cattatgtat tctgtgagaa 180
 gtcagacagt aagatttgtg ggaatgggtt tgggtttgtt tatggtatgt attttagcaa 240
 taatctttat ggcagagaaa gctaaaatcc tttagcttgc gtgaatgatc acttgctgaa 300
 ttcctcaagg taggcctgat gaaggagggt ttagaggaga cacagacaca atgaactgac 360
 ctatagagaa agccttagta tactcageta ggaatagtga ttctgagggc acactgtgac 420
 atgattatgt cattacatgt atggtagtga tggggatgat aggaaggag agcttatggc 480
 atattttcac ccccaaaaaa gtcagttaaa tattgggaca ctaaccatcc aggtcaaga 539

<210> 311
 <211> 526
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (526)
 <223> n = A,T,C or G

100

```

<430> 311
caaatcttgag ccaatgacat agaattttac aaatcaagaa gcttattctg gggccatttc      60
ttttgacgtt ttctctaac tactaaagag gcattaatga tccataaatt stattatcta      120
catttacagc atttaaaatg tgttcagcat gaaatattag ctacagggga agctaaataa      180
attaacatg gaataaagat ttgtccttaa atataatcta caagaagact ttgatatttg      240
tttttcacaa gtgaagcatt cttataaagt gtcataacct tttgggggaa actatgggaa      300
aaastggggg aactctgaag ggttttaagt atcttacctg aagctacaga ctocataacc      360
tctctttaca gggagctcct gcagccocta cagaaatgag tggctgagat tcttgattgc      420
acagcaagag cttctcatct aaacctttc cctttttagt atctgtgtat caagtataaa      480
agttctatss actgtagtnt acttatttta atccccaag cacagt                    526

```

```

<210> 312
<211> 500
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (500)
<223> n = A, T, C or G

```

```

<430> 312
cctctctctc cccacccctt gactctagag aactgggttt tctcccagta ctccagcaat      60
tcatttctga aagcagttga gccactttat lccaaagtac actgcagatg ttcaaaactct      120
ccatttctct ttcccttcca cctgccagtt ttgttgactc tcaacttgtc atgagtgtaa      180
gcattaagga cattatgctt cttegatctt gaagacagge cctgtctatg gatgactctg      240
gcttcttagg aaaaatattt tcttccaaaa tccgtaggaa atctaaactt atccoctctt      300
tgcagatgic tagcagcttc agacatttgg ttaagaaacc atgggaaaaa aaaaaatcct      360
tgctaagtgt gtttctcttg taaaccanga ttcttatttg actggttatg aatatcaget      420
ctgaacgtgt ggtaaagatt ttgtgtttg aatataggag aaatcagttt gctgaaaagt      480
tagtcttaat tatctatttg

```

```

<210> 313
<211> 718
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (718)
<223> n = A, T, C or G

```

```

<430> 313
ggagatttgt gtggttttgc gccgagggag accaggaaga tatgcatggt ggaagggacc      60
tgatgataca gaggtgagaa ataagaaagg ctgctgactt taccatctga gccacacat      120
ctgctgaast ggagataatt aacatcacta gaaccagcaa gatgacaata taatgtctaa      180
gtagtgaact gtttttgcac atttccagcc cttttaaata tccacacaca caggaagcac      240
aaaaggaagc acagagatcc ctgggagaaa tgcgccggcc ccatcttggg tcatcgatga      300
gcctcgccct gtgcctgntc ccgcttctga ggaagggaca ttagaaaatg aattgatgtg      360
ttccttaaaag gatggcagga aaacagatcc tgttctggat atttatttga acgggattac      420
agatttgaaa tgaagtccca aagtgagcat taccatgag aggaasacag acgagaaat      480
cttgatggtt cacaagacat gcaacaaaca aaatggaaata ctgtgatgac acgagcagcc      540
aactggggag gagataccac ggggcagagg tcaaggattct ggcctctctg cctaaactgtg      600
cgttatacca atcattttca ttctaccct caaacaagct gtgaatatc tgacttacgg      660
ttcttnttgc ccacattttc atnatccacc ccttcttttt aaatttntc caaantgt      718

```

```

<210> 314

```

101

<211> 358
 <212> DNA
 <213> Homo sapien

<400> 314
 gtttctttac attacagaaa aaacatcaag acaatgtata ctatttcaa tatatccata 60
 cataatcaca tatagctgta gtacatgttt tcaattgggt agattaccac aaatgcaagg 120
 caacatgtgt agatctcttg tcttattctt ttgtctataa tactgtattg tgtagtccaa 180
 gctctcggta gtccagccac tctgaacacat gctcccttta gattaacctc gtggacgctc 240
 ttgttgtatt gctgaactgt agtgcctctgt attttcttc tgtctgtgaa ttctgttgt 300
 tctggggcat ttccttgtga tgcagaggac caccacacag atgacagcaa tctgaatt 358

<210> 315
 <211> 341
 <212> DNA
 <213> Homo sapien

<400> 315
 taccacctcc ccgctggcac tcatgagccg catcaccatg gtcaccagca ccatgaagge 60
 atagggtgat atgaggacat ggaatgggcc cccaaggatg gtcctgccc aaagcgaggt 120
 gcccccatt ctgaagatgt ctggaacctc taccagcagg atgatgatag cccaatgac 180
 agtccaccgc tccccagcca gcccgatata gtccttaggg gtcctgtagg ctctctgag 240
 tagcttctgc tgltaagagg tgttgtcccg gggctctgt cggttatttg tctgggctt 300
 gagggggccc tagatgcagc acatggtgaa gcatgatgt t 341

<210> 316
 <211> 151
 <212> DNA
 <213> Homo sapien

<400> 316
 agactgggca agactcttac gccccacact gcaatttggc cttyttggcg tatccattta 60
 tgtgggcctt tctcaggttt ctgattataa acacccactg agcgatgtgt tgaactggact 120
 cattcagggc gctctggttg caatattagt t 151

<210> 317
 <211> 151
 <212> DNA
 <213> Homo sapien

<400> 317
 agaaetagtg gatctaatg aaatacctga aacatatatt ggcatttata aatgggtcaa 60
 atcttcattt atctctggcc ttaacctgg ctctcagagg tggggccagg agatcccagg 120
 ccagggtctt gttcttgcca caactgcttg a 151

<210> 318
 <211> 151
 <212> DNA
 <213> Homo sapien

<400> 318
 actggtggga ggcctgttt agttggctgt ttccagaggg gtctttcgga gggacctctt 60
 gctgcaggct ggagtgtctt tattcctggc gggagacgc acattccact gctgaggctg 120
 tggggggcgt ttatcagga gtgataaaca t 151

<210> 319
 <211> 151
 <212> DNA

102

<213> Homo sapien

<400> 319

```

aactagtgga tccagagcta taggtacagt gtgactctcag ctttgcaaac acattttcta      60
catagatagt actaggtatt atagatatg tasagaaaga aatcacacca ttaataatgg      120
tasgattggg tttatgtgat tttagtgggt a                                     151

```

<210> 320

<211> 150

<212> DNA

<213> Homo sapien

<400> 320

```

aactagtga tccactagtc cagtgtggtg gaattccatt gtgttggggt tctagatcgc      60
gagcggctgc cttttttttt tttttttttg ggggggaatt tttttttttt aatagttatt      120
gagtgttcta cagcttacag taatatccat                                     150

```

<210> 321

<211> 151

<212> DNA

<213> Homo sapien

<400> 321

```

agcaactttg ttttttctcc aggtattttt aggtcttagga tttctctctc cactgcagtt      60
tagggtagga ttgtaaccag ctatggcata ggtgttaacc aaaggctgag taacatggg      120
tgctcttgag aatcaaaagt cttcatacac t                                     151

```

<210> 322

<211> 151

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(151)

<223> n = A,T,C or G

<400> 322

```

atccagcato ttctcttggt tcttgccctc cttttctctc ttcttasatt ctgcttgagg      60
tttgggcttg gtcagtttgc cacaggcctt ggcgatggtg acagtcttct ggccttgggc      120
attgtgcagg gctcgccttc naattccagt t                                     151

```

<210> 323

<211> 151

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(151)

<223> n = A,T,C or G

<400> 323

```

tgaggacttg tttttttttt cttttttttt aatcctctta ckttgtaaatt atattgccta      60
nagactcant tactaccacg ttgttggttt twtgggagaa atgtaactgg acagttagct      120
gttcaatyaa aaagacactt ancccatgtg g                                     151

```

<210> 324

103

<211> 461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(461)
 <223> n = A,T,C or G

<400> 324
 acctgtgtgg aatttcagct ttctcatgc aaaaggattt tgtatcccg gectacttga 60
 agaagtggc agctaaagga atccaggttg ttggttggac tgtaataac ttgatgaaa 120
 agagttacta cgaatcccat otttggttcca gctatatcac tgacagcatg gtagaagact 180
 gogaacctca cttctagact ttcaagggtg gaagaaacgg gticagaaac tgcagggggc 240
 ctctacagg gatataana taccctttgt gctaccagg cctggggaa teaggtgact 300
 cacacaaatg caatagtgtg tcaatgcatt tttaactgaa ccaagctaa scccggtgtt 360
 gccacatgc accatggcat gccagagttc aacactgttg ctcttgaaa ttgggtctga 420
 aaaaacgcac aagagccctt gccctgacct agctganga c 461

<210> 325
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 325
 acactgttcc catgttatgt ttctacacat tgetacctca gtgtctcttg aaacttagct 60
 ttgatgtct ccaagtagtc caacttcatt taactctttg aaactgtatc atctttgcca 120
 agtaagagtg gtggcctatt tcagctgctt tgacaaaatg actggctctt gacttaacgt 180
 tctataaatg aatgtgtctg agcaaatggt ccatgggtgg ggcaagaag agaaagtgt 240
 gttttgttt ggactctctg tggctccttc caatgctgtg ggtttccaa cagggggaag 300
 gtcccttttg cattgccaa tgccataacc atgagcacta cgtaccatg gttctgcctc 360
 ctggccaagg aggttggttt gcaagaatga aatgaatgat 400

<210> 326
 <211> 1213
 <212> DNA
 <213> Homo sapiens

<400> 326
 ggaggactgc agcccgcaat cgcagccttg gcaggcgcca ctggtcatgg aaaaagaaat 60
 gttctgtctg ggctctcttg tgcctccgca gtgggtgtctg tcagccgca actgtttcca 120
 gaactcctac accatcgggc tgggcctgca cagtcttgag gcgacccaag agccaggag 180
 ccagatggtg gaggccagcc tctccgtacg gcaccagag tacaacagac ccttgcctgc 240
 taacgaacct atgtcatca agttggacga atccgtgtcc gagtctgaca ccctccggag 300
 catcagcatt gttctgcagt gccctacgc ggggaactct tgcctcgttt ctggctgggg 360
 tctgtctggg aacggcagaa tgctaccgt gctgcagtgc gtgaacgtgt cgggtggtgc 420
 tgaggaggtc tgcagtaagg tctatgaccc gctgtaccac ccagacatgt tctgcgcgg 480
 cggagtggca caggagaagg actcctgcaa cggtagctct ggggggcccc tgatctgcaa 540
 cgggtacttg caggcccttg tgtcttccg aaaaagcccc tgtggccaag tggcgtgccc 600
 aggtgtctac accaacctct gcaaatccac tgagtggata gagaasccg tccaggccag 660
 ttaactctgg ggaactggga cccatgaat tgacccccaa atacatcctg cgggaaggaat 720
 tcaggaatat ctgttccag cccctcctcc ctccaggcca ggagtcagg cccccagccc 780
 ctctcctccc aaaaagggg tacagatccc cagccctccc tccctccag ccaggagttc 840
 agacccccca gcccctcctc cctcagaccc aggagtcagg cccctcctcc ctccagaccc 900
 ggagtccaga ccccccagcc cctcctcctc agacccagg ggtccaggcc cccacccct 960
 cctcctcctc actcagaggt ccaagcccc aacccctcct tcccagacc cagaggtcca 1020
 ggtcccagcc cctcctcctc cagacccagg ggtccaatgc caactagact ctccctgtac 1080
 acagtgcacc cttgtggcac gttgacccaa ccttaccagt tgggttttca tttttgtcc 1140

104

ctttccctta gatccagaaa taaagtctaa gagaagcgc aaaaaaaaaa aaaaaaaaaa 1200
 aaaaaaaaaa aaaaa 1215

<210> 327
 <211> 220
 <212> PRT
 <213> Homo sapien

<400> 327
 Glu Asp Cys Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu Val Met
 1 5 10 15
 Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp Val
 20 25 30
 Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu Gly
 35 40 45
 Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val Glu
 50 55 60
 Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Leu Ala
 65 70 75 80
 Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser Asp
 85 90 95
 Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly Asn
 100 105 110
 Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg Met Pro
 115 120 125
 Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu Val Cys
 130 135 140
 Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys Ala Gly
 145 150 155 160
 Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly Gly Pro
 165 170 175
 Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly Lys Ala
 180 185 190
 Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu Cys Lys
 195 200 205
 Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
 210 215 220

<210> 328
 <211> 234
 <212> DNA
 <213> Homo sapien

<400> 328
 cgtctgtctc tggtagctgc agccaaatca taacaggcgc ggactgcagc ccgcactgcg 60
 agccctggca ggcggcactg gtcattgaaa acgaattgtt ctgctcgggc gtactgggtgc 120
 atccgcagtg ggtgctgtca gccacacact gttccagaa ctctacacc atcgggctgg 180
 gactgcacag tcttgaggcc gaccaagcgc caggagacca gatgggtggag gcc 234

<210> 329
 <211> 77
 <212> PRT
 <213> Homo sapien

<400> 329
 Leu Val Ser Gly Ser Cys Ser Gln Ile Ile Asn Gly Glu Asp Cys Ser
 1 5 10 15
 Pro His Ser Gln Pro Trp Gln Ala Ala Leu Val Met Glu Asn Glu Leu

ccacaggcatg	gtggatcacc	ggaggtcagt	agttcaagac	cagcctggcc	aacatggtga	1500
aacccacac	ctactaaaa	ttgtgtatat	ctttgtgtgt	cttctgttt	atgtgtgcca	1560
agggagtatt	ttcacaaagt	tcaaaacaga	cacaaatac	agagatggag	caaacacagt	1620
ccatccagtc	tttatgcaca	tgaatgtctg	caaaaggaag	cagattctgt	atatgttgg	1680
aactaccac	caagagcaca	tgggtagcag	ggaagagta	aaaaagaga	aggagaatc	1740
tggagataa	tgcacaaat	gaagggacta	gttaaggatt	aactagccct	ttaaggatta	1800
actagttaa	gattaatagc	aaaagayatt	aaatatgcta	acatagctat	ggaggaaatt	1860
agggcaagca	ccacaggact	atgaggtctt	acaaaaaac	agtgtggcaa	aaaaaaaaa	1920
aaaaaaaaa	aaaaatccta	aaaacaaaca	acaaaaaaa	acaattcttc	attcagaaaa	1980
attatcttag	ggactgatat	tggtaattat	ggtaaattta	ataatatatt	ggggcatttc	2040
cttaccttgt	cttgacaaga	ttaaaatgtc	tgtgccaaaa	ttttgtattt	tatttggaga	2100
cttctattca	aagtaattgc	tgcacaaagga	agctcaagga	attagtagtg	ttcccatcac	2160
tgttttggag	tgtgctattc	taaaagattt	tgttttcttg	gaatgacaat	tatatattta	2220
ctttgttggg	ggaagagatt	ataggaccac	agtcttcact	tctgatactt	gtasattaat	2280
cttttattgc	acttgttttg	acaaataagc	tatatgttta	gaatgggtca	tittacggaa	2340
aaattagaaa	aattctgata	atagtgcaga	ataaatgaat	tastgtttta	cttaatttat	2400
attgaactgt	caatgcacaa	taaaattctt	ttttgattat	ttttgttttt	catttaaccg	2460
aataaaaaag	taagaattaa	aagtttgatt	acaaaaaaa	aaaaaaa		2507

<210> 333
 <211> 3030
 <212> DNA
 <213> Homo sapien

<400> 333						
gcaggagact	tgcagagctgg	gagcgattta	aaacgctttg	gattcccccg	gcctgggtgg	60
ggagagcgag	ctgggtgccc	cttagattcc	ccgccccccc	acctaattgag	cagacccctcg	120
gtcccatgga	gcocggcaat	tatgcacact	tggatggagc	caaggatata	gaaggctttgc	180
tgggagcggg	aggggggggg	aatctggctg	cccaactccc	tctgaccagc	cacccagcgg	240
cgactacgt	gatgcctgct	gtcaactatg	cccccttggg	tctgccaggc	tggcggpago	300
cgccaaagca	atgccaccca	tgccttgggg	tgcncagggg	gacgtcccca	gtccccgtgc	360
cttatggtta	ctttggaggg	gggtactact	cctgcgcagc	gtcccgagag	tgcctgaaac	420
cctgttgcca	ggcagccacc	ctggcccgct	accccgcgga	gactcccaag	gcgggggaag	480
agtaaccag	ygcgccact	gagtttgctt	tcataccggg	atatccggga	acctaaccag	540
ctatggccag	ttacctggac	gtgtctgttg	tgcagactct	gggtgctcct	ggagaaacgc	600
gacatgactc	cctgttgccct	gtggacagtt	accagctctt	ggctctcgt	ggtggttga	660
acagccagat	gtgttgccag	ggagaaacga	acccaccagg	tcctcttttg	aagycagcat	720
ttgcagactc	cagcggggcag	cacccctcct	acgcctgggc	cttttgtcgc	ggccgcaaga	780
aaagcattcc	gtacagcaag	gggcagttgc	gggagctgga	gcggagatct	gcggctaaca	840
agttcatcac	caaggacaag	agggccaaga	tctcggcagc	caccagcctc	tggagcgccc	900
agattaccat	ctggttttcag	aaacggccgg	tcaaaagaga	gaaggttctc	gccaaaggtga	960
agaacagcgc	taccccttaa	gagatctcct	tgcctgggtg	ggaggagcga	aagtgggggt	1020
gtcctgggga	gaccaggaac	ctgccaaagc	caggctgggg	ccaaaggactc	tgtctgagag	1080
cccttagaga	caacacccct	cccaggccac	tggctgctgg	actgttcttc	aggagcggcc	1140
tgggtaccca	gtatgtgcag	ggagacggaa	ccccatgtga	cagcccaactc	caccagggtt	1200
cccaagaaac	ctggcccaat	cataatcatt	catactgaca	gtggcaataa	tcacgataac	1260
cagtaactag	tgcactgata	gttagcctca	tattttctat	ctagagctct	gtagagcaat	1320
ttagaacacg	ctttcatgaa	ttgagctaat	tatgaataaa	tttggagggc	gacccctttg	1380
cagggaaagt	ttctctcaga	ccccttcca	ttacaactct	cacccctgga	acagcaggaa	1440
gactgaggag	aggggaacgg	gcagattcgt	tgtgtggctg	tgatgtccgt	ttagcatttt	1500
tctcagctga	cagctgggta	ggtggacaat	tgtagaggct	gtctcttctt	ccttctttgt	1560
ccaccccata	gggtgtaccc	actggctctt	gaagcaccca	tccttaatac	gatgattttt	1620
ctgtcgtgtg	aaaaatgaag	cagcaggtct	cccctagtca	gtccttctct	ccagagaaaa	1680
agagatttga	gaaggtgcct	gggttaattca	ccattaattt	ctcccccaa	actctcttgag	1740
tcttccctta	atatttctgg	tgtttctgac	caaagcaggt	catggtttgt	tgagcatttg	1800
ggatcccgat	gaagtagatg	tttgtagcct	tgcatactta	gccttcccca	ggcacaacag	1860
gagtgccaga	gtggtgcaca	ccctgttttc	cagctccacg	tagacagatt	cacagtcggg	1920
aattctggaa	gctggagaca	gacgggctct	tgcagagacc	gggactctga	gagggacatg	1980

agggcctctg	cctctgtgtt	cattctctga	tgtctgtac	ctgggtctag	tgcgggtgg	2040
gactcatctc	ctggccgggc	agcaaaagca	gggggttctg	gttgggtctt	cctgcacatt	2100
agggctgggg	tggggggcct	gcccggcgcat	tctccacgat	tgagcgccaca	ggcctgaagt	2160
ctggacaacc	cgcagaaccg	aagctccgag	cagcggtctg	gtggcgagta	gtgggtctgg	2220
tggcgagcag	ttgggtgttg	gcggcgcccg	ccactacctc	gaggacattt	cctcccgga	2280
gccagctctc	ctagaaaacc	cggcgccggc	gcgcagccca	agtgtttatg	gcgcgggttc	2340
gggtgggac	ctagccctgt	ctcctctctt	gggaaggagt	gagggtggga	cgtgacttag	2400
acacctacaa	atctattttc	caaaagaggag	cccgggactg	agggaaagg	ccaaagagtg	2460
tgagtgcctg	cggactgggg	gttcaggggg	agaggacgag	gaggaggaag	atgaggctga	2520
tttctgatt	taaaaaatcg	tccaaagccc	gtggtccagg	ttcaaggctc	cgtttacatg	2580
cggcgctcag	agcaggctca	tttctgctt	ccacgtctct	cttcaaggaa	gccccatgtg	2640
ggtagcttct	aatatcgag	gttcttactc	ctctgctctt	ataagctcaa	acccaccaac	2700
gatcgggcaa	gtaaaacccc	tccctcgccg	acttcggaac	tggcgagagt	tcagcgcgag	2760
tgggctgtg	gggagggggc	aagatagatg	egggggagcg	gcctgggtcg	gggtgacccc	2820
ttggagagag	gaaaaaggcc	acaagagggg	ctgccaccgc	cactaacgga	gatggccctg	2880
gtagagacct	ttgggggtct	ggaacctctg	gactcccat	gctctaacct	ccacactctg	2940
ctatcagaaa	cttaaaactg	aggattttct	ctgtttttca	ctcgcaataa	aytcagagca	3000
aaacaaaaaa	aaaaaaaaaa	aaaactcgag				3030

<210> 334

<211> 2417

<212> DNA

<213> Homo sapien

<450> 334

ggggcgccct	ctagagctag	tgggacccc	ggggctgcac	gaattcggca	cagagtgaatt	60
ggagttttac	ctgtattgtt	tttaatttcaa	caagcctgag	gactagccac	aaatgtaccc	120
agttttacaa	tgaggaaaca	ggtgcacaaa	ggttggttacc	tgtcaagggt	cgtatgtggc	180
agagccaaaga	tttgagccca	gttatgtctg	atgaacttag	cctatgtctc	ttaaacttct	240
gaatgtctgac	cattgaggat	atctaaactt	agatcaattg	cattttccct	ccaagactat	300
ttactttatc	atacaataat	accaacttta	ccactctatt	gttttgatac	gagctcaca	360
tatgcagat	atatgtacaa	gcaacctaca	agctctctaa	tactgtctac	ctaaagatt	420
cccggtatct	aataggctca	aagaaacttc	ttctagaaat	ataaagaga	aaattggatt	480
atgcacaaat	tcattattaa	tttttttcat	ccatccctta	attoagcaca	catttatctg	540
ttgttgactt	tatgcagtat	ggccttttaa	ggattggggg	acaggtgaag	aaagggtgac	600
cagaatgcac	cctctacta	atgaggtcag	tacacatttg	catttttaaa	tgcctgtcc	660
agctgggcat	ggtggatcat	gcctgtaatc	tcaacatttg	aaggccaagg	caggaggaatt	720
gcttcagccc	aggagttcaa	gaccagcctg	ggcaacatag	aaagacccca	tctctcaate	780
aatcaatcaa	tgccttgtct	ttgaaaataa	aactctttta	gaaagggtta	atgggcaggg	840
ttgtgtagct	catgcctata	atacagcact	ttgggaggtc	gagggcaggg	gatcacttta	900
gcccagaagt	tcaagaccag	cctggggcac	aagtgcaccc	tcatctcaat	tttttaataa	960
aattgaataca	tacataagga	aagataaaaa	gaaaagttta	atgaaagaat	acagtataaa	1020
acaaatctct	tggacctaaa	agtatttttg	ttcaagccaa	atatttgtga	tcacctctct	1080
gtgttgaggga	tacagaatat	ctaagcccg	gaaactgagc	agaaagtcca	tgtactaaat	1140
aatcaacccg	aggcaaggca	aaaatgagac	taactaatca	atccgaggca	aggggcacat	1200
tagacgggac	ctgactcttg	tctatttaag	gacaactttc	cctctgttgt	atttttcttt	1260
tattcaatgt	aaaaggataa	aaactctcta	aaactaaaaa	caatgtttgt	caggagttac	1320
aaaccatgac	caactaatca	tggggaatca	taaaatatga	ctgtatgaga	tcttgatggt	1380
ttacaaagtg	taaccactgt	taactcaatt	aaacattaat	gaacttaaaa	atgaatttac	1440
ggagatttga	atgtttcttt	cctgtttgtat	tagttggctc	aggctgccat	aaacaaatcc	1500
cacagactgg	gaggcttaag	taacagaaat	tcattttctc	cagttctggg	ggctgggaag	1560
ccacgatacaa	ggtgcaggaa	aggcaggctt	cattctgagg	ccctctctct	ggctcacatg	1620
tggccaccct	ccactgggt	gtcacatga	cctctttgtg	ctcctggaaa	gagggtgtgg	1680
gggacagagg	gaaggagag	ggaggggaac	tctctgggtg	ctcgtctttc	aaggacccct	1740
acctggggcca	ctttggccca	ggcactgtgg	gggtgggggt	tgtggctgct	ctgctctgag	1800
tggccaaagt	aaagcaacag	aaaaatgtcc	aaagctgtgc	agcaaaagaca	agccacccga	1860
cagggatctg	ctcatnagtg	tggggacctc	caagctggcc	acccctggagg	caagccccca	1920
cagagcccat	gcaagggtggc	agcagcagaa	gaagggaatt	gtccctgtcc	ttggcacatt	1980

108

cctcacccgac	ctgggtgatgc	tggacactgc	gatgaatggt	aatgtggatg	agaatatgat	2040
ggactccacag	aaaaggagac	ccagctgctc	aggttggctgc	aaatcattac	agccttcate	2100
ctggggagga	actggggggc	tggttctggg	tcagagagca	gcccagtgag	ggtgagagct	2160
acagcctgtc	ctgccagctg	gatccccagt	cccgttcaac	cagtaatcaa	ggctgagcag	2220
atcaggcttc	cggagcctgg	tcttgggaag	ccagccctgg	ggtgagttgg	ctctgtctgt	2280
ggtactgaga	caatattgtc	ataaattcaa	tgcgcccttg	tatccctttt	tcttttttat	2340
ctgtctacat	ctataatcac	tatgcatact	agtctttggt	agtgtttcta	ttcmaactta	2400
tagagatatg	ttatact					2417

<210> 335
 <211> 2984
 <212> DNA
 <213> Homo sapien

atccctcctt	ccccactctc	ctttccagaa	ggcacttggg	gtcttatctg	ttggactctg	60
aaaacacttc	aggcgccctt	ccaaggcttc	cccaaacccc	taagcagccg	cagaagcgct	120
cccgagctgc	cttctccccc	actcaggtga	tcgagttgga	gaggaagttc	agccatcaga	180
agtacctgtc	ggcccttgaa	egggccccc	tggccaagaa	cctcaagctc	acgggagccc	240
aagtgaagat	attgttccag	aacagacgct	ataagactaa	gcgaagcgag	ctctcctcgg	300
agctgggaga	cttgggagaag	cactcctctt	tgcgggccc	gaaagaggag	gccttctccc	360
gggctcctct	ggtctccgtg	tataacagct	atccttaacta	cccatacctg	tactgcttgg	420
gcagctggag	cccagctttt	tggtaactgc	agctcaggtg	acaaacctta	tgatcaaaaa	480
ctgcttccc	cagggtgtct	ctatgaaaa	cacagggggc	caaggtccag	gagcaagagg	540
tgtgcacacc	aaagctattg	gagatttggc	tggaaatctc	aaattcttca	ctggtgagac	600
aatgaaacaa	cagagacagt	gaaagtttta	atacctaagt	cattccccc	gtgcatactg	660
taggtcattt	tttttgcctc	tggctacctg	tttgaagggg	agagagggaa	aatcaagtgg	720
tattttccag	cactttgtat	gattttggat	gagctgtaca	cccaaggatt	ctgttctgca	780
actccatcct	cctgtgtcac	tgaatatcaa	ctctgaaaga	gcacaccta	caggagaaa	840
gacaaaccag	atgaggatgt	caccaactga	attaaactta	agtcacaga	cctcctgttg	900
gccttggga	atggccaagg	ctctctctgt	cctgttcaaa	gagaggggca	aatagagagt	960
ctccagagga	acgcccctat	gctcagcaca	tatttgcatt	ggagggggag	atggttggga	1020
ggagatgaaa	atatacagct	ttcttattcc	tttttattcc	ttttaaaaat	gtatgcacac	1080
ttagtcattt	acagggtggc	ccaaatagaa	caagatgcac	tcgtgtgtat	tttaagacaa	1140
gctgtataaa	caggaactcca	ctgcaagagg	gggggcccgg	ccaggagaa	ctcgccttgt	1200
ccagagacag	ggcctaagga	gggtctccac	actgtctgta	ggggtgtttg	cattttttta	1260
ttagtagaaa	gtggaaaggg	ctcttctcaa	cttttttccc	ttgggttggg	gaatttagaa	1320
tcagaagttt	cctggagttt	tcaggctatc	atatatactg	tatcctgaaa	ggcaacataa	1380
ttcttctctc	cctcctttta	aaattttgtg	ttcctttttg	cagcaattac	tcactaaagg	1440
gcttcatttt	agtccagatt	tttagtctgg	ctgcacctaa	cttatgcctc	gcttattttg	1500
ccagagatct	ggtctttttt	tttttttttt	tttttccgtc	tccccaagc	tttctctgtc	1560
ttgacttttt	aaaaaagttt	gggggcagat	tctgaatttg	ctaaaagaca	tgcattttta	1620
aaactagcaa	ctcttatttc	tttcccttaa	aaatacatag	cattaaatcc	caaatcctat	1680
ttaaagacct	gacagcttga	gaaggctcct	actgcattta	taggaacctc	tgggtggtct	1740
gctgttacgt	ttgaagtctg	acaatccttg	agaatctttg	cagtcagagg	aggttaagagg	1800
tattggattt	tcacagagga	agaacacagc	gcagaatgaa	gggccaggct	tactgagctg	1860
tcaggtggag	ggtctatggg	tgggacatgg	aaaagaaggg	agcctaggcc	ctggggagcc	1920
cagtcacact	agcaagcaag	ggaactgagt	agccttttgc	aggaaggggc	taagaaaaag	1980
gaaaaccatt	ctaaaaacaa	acaagaaact	gtccaaatgc	tttgggaact	gtgtttattg	2040
cctataatgg	gtccccaana	tgggtaaact	agacttcaga	gagaatgagc	agagagcaaa	2100
ggagaaatct	ggctgtcctt	ccattttcat	tctgttatct	caggtgagct	ggtagagggg	2160
agacattaga	aaaaaatgaa	ccaacaaac	aattactaat	gaggtacgct	gaggcctggg	2220
agctctctga	ctccactact	taattccgtt	tagtgagaaa	cctttcaatt	ttcttttatt	2280
agaagggcca	gcttactgtt	ggtggcaaaa	tggccaacat	aagttaatag	aaagttggcc	2340
aatttccccc	cattttctgt	ggtttgggct	ccacattgca	atgttcaatg	ccagctgctg	2400
ctgacaccca	cggagttact	agccagcaca	aaagggcagg	tagcctgaat	tgtttcttgc	2460
tctttacatt	tcttttaaaa	taagcattta	gtgctcagtc	cctactgagt	actctttctc	2520
tcccccctct	tgaatttaaa	tctttcaact	tgcattttgc	aaggattaca	catttcaactg	2580

```

tgaatgtatat tgtgttgcaa aaaaaaaaaa aagtgtcttt gttttaaatt acttggtttg 2640
tgaatccatc ttgctttttc cccattggaa ctagtcatca acccatctct gaactggtag 2700
aaaaacatct gaagagctag tctatcagca tctgacaggt gaattggatg gttctcagaa 2760
ccatttcacc cagacagcct gttctctacc tgtttaataa attagttagg gttctctacc 2820
tgcataacaa accctgctcc aatctgtcac ataaaagtct gtgacttgaa gtttagtcag 2880
caccocccacc aaattttatt tttctatgtg ttttttgcaa catatgagtg ttttgaanaa 2940
aaagtaccca tgtctttatt agaaaaaaaa aaaaaaaaaa aaaa 2984

```

<210> 336
 <211> 147
 <212> PRT
 <213> Homo sapien

```

<400> 336
Pro Ser Phe Pro Thr Leu Leu Ser Arg Arg His Leu Gly Ser Tyr Leu
1          5          10          15
Leu Asp Ser Glu Asn Thr Ser Gly Ala Leu Pro Arg Leu Pro Gln Thr
20          25          30
Pro Lys Gln Pro Gln Lys Arg Ser Arg Ala Ala Phe Ser His Thr Gln
35          40          45
Val Ile Glu Leu Glu Arg Lys Phe Ser His Gln Lys Tyr Leu Ser Ala
50          55          60
Pro Glu Arg Ala His Leu Ala Lys Asn Leu Lys Leu Thr Glu Thr Gln
65          70          75          80
Val Lys Ile Trp Phe Gln Asn Arg Arg Tyr Lys Thr Lys Arg Lys Gln
85          90          95
Leu Ser Ser Glu Leu Gly Asp Leu Glu Lys His Ser Ser Leu Pro Ala
100         105         110
Leu Lys Glu Glu Ala Phe Ser Arg Ala Ser Leu Val Ser Val Tyr Asn
115         120         125
Ser Tyr Pro Tyr Tyr Pro Tyr Leu Tyr Cys Val Gly Ser Trp Ser Pro
130         135         140
Ala Phe Trp
145

```

<210> 337
 <211> 9
 <212> PRT
 <213> Homo sapien

```

<400> 337
Ala Leu Thr Gly Phe Thr Phe Ser Ala
1          5

```

<210> 338
 <211> 9
 <212> PRT
 <213> Homo sapien

```

<400> 338
Leu Leu Ala Asn Asp Leu Met Leu Ile
1          5

```

<210> 339
 <211> 318
 <212> PRT
 <213> Homo sapien

110

<400> 339

Met Val Glu Leu Met Phe Pro Leu Leu Leu Leu Leu Leu Pro Phe Leu
 1 5 10 15
 Leu Tyr Met Ala Ala Pro Gln Ile Arg Lys Met Leu Ser Ser Gly Val
 20 25 30
 Cys Thr Ser Thr Val Gln Leu Pro Gly Lys Val Val Val Val Thr Gly
 35 40 45
 Ala Asn Thr Gly Ile Gly Lys Glu Thr Ala Lys Glu Leu Ala Gln Arg
 50 55 60
 Gly Ala Arg Val Tyr Leu Ala Cys Arg Asp Val Glu Lys Gly Glu Leu
 65 70 75 80
 Val Ala Lys Glu Ile Gln Thr Thr Thr Gly Asn Gln Gln Val Leu Val
 85 90 95
 Arg Lys Leu Asp Leu Ser Asp Thr Lys Ser Ile Arg Ala Phe Ala Lys
 100 105 110
 Gly Phe Leu Ala Glu Glu Lys His Leu His Val Leu Ile Asn Asn Ala
 115 120 125
 Gly Val Met Met Cys Pro Tyr Ser Lys Thr Ala Asp Gly Phe Glu Met
 130 135 140
 His Ile Gly Val Asn His Leu Gly His Phe Leu Leu Thr His Leu Leu
 145 150 155 160
 Leu Glu Lys Leu Lys Glu Ser Ala Pro Ser Arg Ile Val Asn Val Ser
 165 170 175
 Ser Leu Ala His His Leu Gly Arg Ile His Phe His Asn Leu Gln Gly
 180 185 190
 Glu Lys Phe Tyr Asn Ala Gly Leu Ala Tyr Cys His Ser Lys Leu Ala
 195 200 205
 Asn Ile Leu Phe Thr Gln Glu Leu Ala Arg Arg Leu Lys Gly Ser Gly
 210 215 220
 Val Thr Thr Tyr Ser Val His Pro Gly Thr Val Gln Ser Glu Leu Val
 225 230 235 240
 Arg His Ser Ser Phe Met Arg Trp Met Trp Trp Leu Phe Ser Phe Phe
 245 250 255
 Ile Lys Thr Pro Gln Gln Gly Ala Gln Thr Ser Leu His Cys Ala Leu
 260 265 270
 Thr Glu Gly Leu Glu Ile Leu Ser Gly Asn His Phe Ser Asp Cys His
 275 280 285
 Val Ala Trp Val Ser Ala Gln Ala Arg Asn Glu Thr Ile Ala Arg Arg
 290 295 300
 Leu Trp Asp Val Ser Cys Asp Leu Leu Gly Leu Pro Ile Asp
 305 310 315

<216> 340

<211> 483

<212> DNA

<213> Homo sapien

<490> 340

gcgcaggtct	gccttcacac	ggaggacacg	agactgcttc	ctcaagggct	cctgcctgcc	60
tggacactgg	tgggaggcgc	tgtttagtgg	gtgtttttca	gaggggtctt	tgggagggac	120
ctcctgctgc	aggttgaggt	gtttttatcc	ctggcggggag	accgcacatt	ccactgctga	180
ggttgtgggg	gcggtttatc	aggcagtgat	aaacataaga	tgccatttcc	ttgactccgg	240
ccttcatttt	tctcttttgc	tgacgaacga	gtccgttggtg	tcacgatgta	actgacccct	300
gtccaaacgg	tgcacacact	gatgctcttc	tgggggggtgc	tgatggcccg	cttgggtcacg	360
tgctcaatct	cgccatttga	ctcttgctcc	aaactgtatg	aagacacctg	actgcacgtt	420
ttttctgggc	ttccagaatt	taaagtgaac	ggcagcactc	ctaaagctccg	actccgatgc	480
ctg						483

111

<210> 341
 <211> 344
 <212> DNA
 <213> Homo sapien

<400> 341
 ctgctgctga gtcacagatt tcattataaa tagcctccct aaggaaaata cactgaatgc 60
 tatttttact aaccattcta kkkkktaga aatagctgag agtttctaaa ccaactctct 120
 gctgccttac aagtattaaa tatttttactt ctttccataa agagtagctc aaaatatgca 180
 attaatitaa taattttctga tgatgggtttt atctgcagta atatgtatat catctattag 240
 aatttactta atgaaaaact gaagagaaaca aaatttgtaa ccactagcac ttaagtactc 300
 ctgattctta acattgtctt taatgaccac aagacaacca acag 344

<210> 342
 <211> 392
 <212> DNA
 <213> Homo sapien

<400> 342
 acagcaaaaa agaaactgag aagcccaaty tgctttcttg ttaacatcca cttatccaac 60
 caatgtggaa acttcttata cttgggttcca ttatgaagtt ggacaattgc tgcctatcac 120
 cctggcaggt aacccaatgc caagagagtg atggaaacca ttggcaagac ttgtttgatg 180
 accaggattg gaattttata aaaatatattg tgatggggaag ttgctaaagg gtgaattact 240
 tccctcagaa gagtgtaaag aaaagtcaga gatgctataa tagcagctat tttaattggc 300
 aagtgcacat gtggaaagag ttccctgtgtg tgetgaagtt ctgaagggca gtcaaatcca 360
 tcagcatggg ctggtttggtg caaatgcaca agcacaggte tttttagcat gctggctctt 420
 ccctgtctct tatgcaasta atcgtcttct tctaaatttc tccagagctt cattttccaa 480
 agttcttctt ggtttgtgat gtctttcttg ctttccatta attctataaa atagtatggc 540
 ttcagccacc cactcttgcg cttagcttga ccgtgagctt eggtgcgcg tg 592

<210> 343
 <211> 382
 <212> DNA
 <213> Homo sapien

<400> 343
 ttcttgaact cctctcctt caagctcaaa caccacctcc cttattcagg accggcactt 60
 cttaatgttt gtggctttct ctccagcctc tcttaggagg ggtaatggtg gagttagcat 120
 cttgtaactc tcccttctcc tttctctccc ttctctgccc cgcctttccc atcctgctgt 180
 agacttcttg attgtcagtc tgtgtcacat ccagtgattg ttttggttcc tgttcccttt 240
 ctgactgccc aaggggctca gaacccacgc aatcccttcc ttccactacc ttcttttttg 300
 ggggtagttg gaagggactg aaattgtggg ggggaaggtg gaggcacatc aataaagagg 360
 aaaccacca gctgaaaaaa aa 382

<210> 344
 <211> 536
 <212> DNA
 <213> Homo sapien

<400> 344
 ctgggectga agctgtaggg taatcagag gcaggcttct gagtgatggg agtctgaga 60
 caataggcca cataaacttg gctggatgga acctcacaat aaggtggtcc cctctgtttt 120
 gtttaggggg atgccaggga taaggccagc tcagttatat gaagagagcc agaaacaaaca 180
 agtctttcag agaastggat gcaatcagag tgggatcccg gtcacatcaa ggtcacactc 240
 cacccttcag tgcctgaatg gttgccaggt cagaaaaatc caccctttac gagtgcgggt 300
 tcgaacctat atcccagccc cgcctcctt tctccataaa attcttctta gtagctatta 360
 ccttcttatt atttgatcta gaatttgccc tctttttacc cctaccatga gccctacaaa 420

112

caactaacct gccactaata gttatgtcat cccctcttatt aatcatcctc ctagccctaa 480
gtctggccta tgagtgaata caaaaaggat tagactgagc cgaataacaa aaaaaa 536

<210> 345
<211> 251
<212> DNA
<213> Homo sapien

<400> 345
accttttgag gtctctctca ccaactccac agccacccgc accgtgggat gtgctggatg 60
tgaatgaagc ccccatcttt gtgcctcctg aaaagagagt ggaagtgtcc gaggactttg 120
gcgtggggca ggaactcaca tctacactg cccaggagcc agacacattt atggaacaga 180
aaataacata tcggsttttg agagacactg ccaactggct ggagattaat cgggacactg 240
gtgccatttc c 251

<210> 346
<211> 282
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(282)
<223> n = A,T,C or G

<400> 346
cgctctctg acactgtgat catgacaggg gttcaaacag aaagtgcctg ggcctctctt 60
ctaagtcttg ttacccaaaa aaggaaaaag aaagatcttt ctcaattaca aattctggga 120
agggagacta taactggctc ttgccttaag tgagaggtct tccctccgcg accaaaaaat 180
agaaaggctt tctatttcac tggcccaggt agggggaagg agagtaactt tgagtctgtg 240
ggtctcattt cccaaaggtg cttcaatgct catnaaaacc aa 282

<210> 347
<211> 201
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(201)
<223> n = A,T,C or G

<400> 347
acacacataa tattataaaa tgccatctaa ttggaaggag cttctatca ttgcaagtc 60
taaatataac ttttaaaaaa ntactancag cttttaccta ngctcctaaa tgcttgtaaa 120
tctgagactg actggaccca cccagaccca gggcaaggat acatgttacc atatcatctt 180
tataaagaat ttttttttgt c 201

<210> 348
<211> 251
<212> DNA
<213> Homo sapien

<400> 348
ctgttaatca caacatttgt gcatacttg tgccaagtga gaaaatgttc taatatcaca 60
agagagaaca ttgcagaaat gaactgacc cttaagtccca ggtgcccctg ggcaggcaga 120
aggagacact ccagcagatg aggggggttt atcttttcat cctaggtcag gtctacaatg 180
ggggaagggt ttattataga actcccaaca gccacaccca ctctyccac ccacccgatg 240

gcccctgccc c

251

<210> 349

<211> 251

<212> DNA

<213> Homo sapien

<400> 349

taaaaatcaa	gccatttaast	tgtatctttg	aaggtaaaaca	atatatggga	gttggatcac	60
aacccctgag	gatgccagag	ctatgggtcc	agaacatggt	gtggatattat	caacagagtt	120
cagaagggtc	tgaactctac	gtgttaccag	agaacataat	gaatttcag	cattccactt	180
agcaattttg	taaaatacca	gaacacagacc	ccaagagtct	ttcaagatga	ggaaaaattca	240
actcctgggt	t					251

<210> 350

<211> 308

<212> DNA

<213> Homo sapien

<400> 350

ctggacactt	tgcgagggtc	tttgetgggt	gttgetgctg	cccgtcatgc	tactcatcgt	60
agcccgcccg	gtgaagctcg	ctgctttccc	tacctcccta	agtgaactgc	aaacgcccac	120
cggctggaa	tgtcttggtt	atgatgacag	agaatatgat	ctcttctctt	gtgacaccaa	180
caactgtaaa	tttcatgggg	aattgttaag	aattggagac	actgtgactt	gcgtctgtca	240
gttcaagtgc	aacaatgact	atgtgcctgt	gtgtgggtcc	aatggggaga	gctaccagaa	300
tgaagtgtac	ctggacaggg	ctgcattgca	acagcagagt	gagatacttg	tgggtgtcaga	360
aggatcctgt	gccacagtc	atgagggctc	tggagaaaact	agtcaaaagg	agacatccac	420
ctgtgatatt	tgcaggtttg	gtgcagaatg	tgcagaaagt	gccgaggatg	tctggtgtgt	480
gtgtaataat	gactgtttct	aaaccaaact	caatcccttc	tgcgctttct	atgggaaatc	540
ttatgatatt	gcattgccaa	tcaaaagaagc	atcgtgtcag	aaacaggaga	aaattgaagt	600
catgtctttg	ggtcgatgtc	aagataadac	aactacaact	actaagtctg	aagatgggca	660
ttatgcaaga	acagattatg	cagagaatgc	taacaaatta	gaagaaagtg	ccagagaaca	720
ccacataact	tgtccggaa	attacaatgg	cttctgcatt	catgggaagt	gtgagcattc	780
tatcaatatt	caggagccat	cttcaggtg	tgatgctggt	tatactggac	aacactgtga	840
aaaaaaggac	tacagtgttc	tatacgttgt	tcccggtcct	gtacgatttc	agtatgtctt	900
aatgcag						908

<210> 351

<211> 472

<212> DNA

<213> Homo sapien

<400> 351

ccagttatit	gcaagtggta	agagcctatt	taccataaat	ataactaaga	accaactcaa	60
gtcaaacctt	aatgccattg	ttattgtgaa	ttaggattaa	gtagttaatt	tcaaaattca	120
cattaacttg	attttaaaat	cagwtttgyg	agtcatttac	cacaagctaa	atgtgtacac	180
tatgatanaa	acaaccattg	tattcctggt	tttctaasaa	gtcctaattt	ctaacactgt	240
atatatcctt	cgacatcaat	gaactttggt	ttottttact	ccagtaataa	agtaggcaca	300
gatctgtcca	caacaaactt	gccctctcat	gccttgcttc	tcccatgct	ctgctccagg	360
tcagccccc	tttggcctgt	ttgtttttgc	aaaaacotaa	tctgcttctt	gcttttcttg	420
gtaatatata	tttagggag	atgtttgctt	gccacacac	gaagcaaatg	aa	472

<210> 352

<211> 251

<212> DNA

<213> Homo sapien

<400> 352

114

ctcaaaageta	atctctcggg	aatcaaacca	gaaaagggca	aggatcttag	gcatggtgga	60
tgtggataag	gccaggteaa	tggctgcaag	catgcagaga	aagaggtaaa	tcggagcgtg	120
caggctgcgt	tccgtcctta	cgtatgaagac	cccgatgcag	tttccaaaca	ttgccactac	180
atacatggaa	aggaggggga	agccaaccca	gsaatgggct	ttctctaato	ctgggatacc	240
ataagcaca	a					251

<210> 353
 <211> 436
 <212> DNA
 <213> Homo sapien

<400> 353						
tttttttttt	tttttttttt	ttttttacaa	caatgcagtc	atttattttt	tgagtatgtg	60
cacattatgg	tattattact	atactgatta	tatttatcat	gtgacttcta	attaraaaat	120
gtatccaaaa	gcaaaacagc	agatatacaa	aatlaaagag	acagaagata	gacattaaaa	180
gataaggcaa	cttatacatt	gacaatccaa	atccaatata	tttaaacatt	tgggaastga	240
gggggacaaa	tgyaagccar	atcaaatitg	tgtaaaacta	ttcagtatgt	ttcccttgc	300
tcattgtctg	raaggtcttc	ccttcaatgg	ggatgacaaa	ctccaaatgc	cacacaaatg	360
ttaacagaat	actagattca	cactggaacg	ggggtaaaag	agaaattatt	ttctataaaa	420
gggtccttaa	tgtagt					436

<210> 354
 <211> 884
 <212> DNA
 <213> Homo sapien

<400> 354						
ctttttctag	ttcaacagtt	ttctgcaagg	atgctggtta	gggagtgtct	gcaggaggag	60
caagtctgaa	accaaatact	ggaacatag	gaaacagacc	aggcaacagg	ctggtagggc	120
atcaggagac	accccttggg	ttgatatttt	gttaaatctg	catcttttga	gtaagatcat	180
ctggcagtag	aagctgttct	ccaggtagat	ttctctagct	catgtacaaa	aacatcctga	240
aggactttgt	caggtgcctt	gctaaaagcc	agatgcgttc	ggcacttctt	tggctctgag	300
ttaattgcac	acctacagge	actgggctca	tgctttcaag	tattttgtcc	tcactttagg	360
gtgagtgaaa	gatcccccatt	ataggagcac	ttgggagaga	tcataataaa	gttgactctt	420
gagtagcatg	agtaattggg	tagatgtgtg	tgtgtgtct	tcattcctgc	aaggggtgct	480
gttagggagt	gtttccagga	ggaacaagtc	tgaacccaat	catgaataaa	atggtaggtg	540
tgaactggaa	aactaattca	aaagagagat	cgtgatatca	gtgtgggtga	tacaccttgg	600
caatatggaa	ggtctataat	tgccatatt	tgaataata	attcagcttt	ttgtaataca	660
aaataacaaa	ggattgagaa	tcattggtgc	taattgtata	aagaccagag	aaacataaat	720
atatcaactg	cataaatgta	aaatgcattg	gacccaagaa	ggccccaag	tggcagacaa	780
cattgtaccc	attttccctt	ccaaaatgtg	agcggcgggc	ctgctgcttt	caaggctctc	840
acacgggatg	tcag					854

<210> 355
 <211> 676
 <212> DNA
 <213> Homo sapien

<400> 355						
gaatttaagt	atgagctaaa	ttccctgtta	aaacctctag	gggtgacaga	tctcttcac	60
caggtaaaag	ctgatctttc	tgyaatgtca	ccaacaaagg	gctatatatt	atcaaaaagc	120
atccacaagt	cataccttga	tgtcagcgaa	gagggcacgg	aggcagcagc	agccactggg	180
gacagcatcg	ctgtaaaaag	cctacraatg	agagctcagt	tcaagggcaa	ccaccccttc	240
ctgttcttta	tcaagggcac	tcataccaaa	acgatccat	tctgtggcaa	gcttgcctct	300
ccctaatacag	atgggggttg	gttagggtca	gagttgcaga	tgaggtgcag	agacaatcct	360
gtgactttcc	caaggccaaa	aaactgttca	caactcacgc	acctctgtgc	ctcagtttgc	420
tcattgtcaa	aataggtcta	ggatttcttc	caacactttc	atgagttgtg	aagctaaggc	480
tttgttaato	atggaaaaag	gttagattat	gcagaaaagc	tttctggctt	tcttatctgt	540

115

```

gggtgtctcat ttgagtgtctg tccagtgcac tgatcaagtc aatgagtsaa attttaaggg 600
attagatttt cttgacttct atgtatctct gagatcttga ataagtgcac tgacatctct 660
gtttaaagaa aaccag 676

```

<210> 356
 <211> 574
 <212> DNA
 <213> Homo sapien

```

<400> 356
tttttttttt tttttcagga aaacattctc ttacttttatt tgcattctcag caaagggttct 60
catgtggcac ctgactggca tcaasccaaa gttcgttaggc caacaaagat gggccactca 120
caagcttccc atttctagat ctccagtgcct atgagtatct gacacctgtt cctctcttca 180
gtctcttagg gaggtttaa tctgtctcag gtgtgctaaq agtgccagcc caaggkgtc 240
aaaagtcac aaaactgcag totttgctgg gatagtaagc caagcagtcg ctggacagca 300
gagttctttt cttgggcaac agataaccag acaggactct aatcgtgctc ttattcaaca 360
ttcttctgtc tctgcctaga ctggaataaa aagccaatct ctctcgtggc acagggaaag 420
agatacaagc tcttttacat gtgatagatc taacaaagcc atctaccgaa gtctggtctg 480
gatagacggc acagggagct cttaggtcag cgtcgtggt tggaggacat tctgagtc 540
agctttgcag cctttgtgca acagtacttt ccca 574

```

<210> 357
 <211> 393
 <212> DNA
 <213> Homo sapien

```

<400> 357
tttttttttt tttttttttt tttttttttt tacagaatat aretgcitta tcactgkact 60
taatatggkg kottgttccac tatactttaa aatgcaccac tcatasatat ttaattcagc 120
aagccacaac caaracttga tttttatcac aaaaacccc aaatataac ggaaaaaagg 180
atagatataa ttattccagt ttttttaaaa cttaaaarat attccattgc cgaatttara 240
araarataag tgttatatgg aaagaagggc attcaagcac actaaaraaa cctgaggkaa 300
gcataatctg tacaaaatta aactgtcctt tttygcattt taacaaaitt gcaacgktct 360
ttttttctct tttctgtttt tttttttttt tac 393

```

<210> 358
 <211> 630
 <212> DNA
 <213> Homo sapien

```

<400> 358
acagggtaaa caggaggatc cttgtctctca cggagottac attctagcag gaggacaata 60
ttaatgttta taggaanaatg atgagtttat gacaaaggaa gtgatagtg ttttacaaga 120
gcctagagta ggggaagctaa tccagcacag ggaggtcaca gacacatccc taaggaaagt 180
gagtttaaac tgagagaagc aagtgcctaa actgaaggat gtgttgaaga agaagggaga 240
gtagaacaat ttgggcagag ggaaccttat agacctaaq gtgggaaggt tcaagaaact 300
gaagagagc tagaacagct ggagccgttc tccgggtgaa agaggagtca aagagataag 360
attaagatg tgaagattaa gatottggtg gcattcaggg attggcctt ctacaagaaa 420
tcactgaagg gagtaatgtg acattacttt tcaottcagg atggccatto taactccagg 480
gggtagactg gactaggtaa gactggagggc aggtagacct cttctaagcc ctgcgatagt 540
gaaagacaaa aataagtggt gaaattcagg gpatagtgaa aatcagtagg acttaatgag 600
aaagccagag gttcctccac acaaccagc 630

```

<210> 359
 <211> 620
 <212> DNA
 <213> Homo sapien

116

<400> 359

acagcattcc	aaaatatata	tctagagact	aarrgtaaat	gcctctatagt	gaagaagtas	60
taattaaaaa	atgctactaa	tatagaaaat	ttataatcag	aaaaataaat	attcagggag	120
ctcaccagaa	gaataaagt	ctctgccagt	tattaaagga	ttactgtctg	tgaattaaat	180
atggcattcc	ccaagggaaa	tagagagatt	cttctggatt	atgttcaata	tttatttcac	240
aggattaaat	gttttaggaa	cagatatata	gcctcggcac	ggaagagatg	gacaaagcac	300
aaagacaaca	tgatacctta	ggaagcaaca	ctacccttcc	aggcatasaa	tttgagagaa	360
tgcacacatta	tgcttcatga	ataatatgta	gaaagaaggt	ctgatgaaaa	tgacatcctt	420
aatgtaagat	aactttataa	gaattctggg	tcaaatataa	ttctttgag	aaaacatcca	480
aatgtcattg	acttatcaaa	tactatcttg	gcataatacc	tatgaaggca	aaactaaaca	540
aaacaaaagc	tcacacaaaa	caaaaccatc	aactttattt	gtattctata	acatacagag	600
ctgtaaagat	gtgacagtgt					620

<210> 360

<211> 431

<212> DNA

<213> Homo sapien

<400> 360

aaaaaiaaaa	agccagaaca	acatgtgata	gataatatga	ttggctgcac	acttcagac	60
tgatgaatga	tgaacgtgat	ggactatgtt	atggagcaca	tcttcagcaa	gagggggaaa	120
tactcatcat	ttttggccag	cagttgtttg	atcaccaaa	atcatgctag	aatactcagc	180
aaaccttctt	agctcttgag	aagtcasagt	cggggggaat	ttattcctgg	caattttaat	240
tggactcctt	atgtgagagc	agcggctacc	cagctggggt	ggtggagcga	acccgtcact	300
agtggacatg	cagtggcaga	gtctctggta	accacctaga	ggaatacaca	ggcacatgtg	360
tgatggcaag	cgtgacacct	gtagcaactca	aatttgtctt	gtttttgtct	ttcgggtgtg	420
agattcttag	t					431

<210> 361

<211> 351

<212> DNA

<213> Homo sapien

<400> 361

acactgattt	ccgatcaaaa	gaatcactat	ctttacottg	acttttcagg	gaattactga	60
actttcttct	cagaagatag	ggcacagcca	ttgccttggc	ctcacttgaa	gggtctgcat	120
ttgggtctct	tggtctcttg	ccaagtctcc	cagccactcg	agggagaaat	atcggggagt	180
ttgacttctt	ccggggtctt	ccagagggct	tccactgtag	cctgagggcc	ctcagggctg	240
caactcttga	ttcaatgtct	gaaacctcgc	tctctgcttg	ctggacttct	gagggcgtca	300
ctgcactctt	gtctccagc	tctgacagct	cctcatctgt	ggtcctgttg	t	351

<210> 362

<211> 463

<212> DNA

<213> Homo sapien

<400> 362

acttcactag	gcataaatgg	gtgcctcccg	tgagaatcca	agcacttttg	gactgcgcga	60
tgtagatgag	cgggtgaag	atcttgccca	tgcggggttt	cagggcgag	ttcttggcgc	120
ccccggtcac	agaaatgacc	aggttgggtg	ttttcagggt	ccagtgcctg	gtcagcagct	180
cgtaaaggat	ttccgctctc	gtgtgcaggg	acagacgtat	atacttccct	tttttcccca	240
gtgtctcaca	ctgaatatcc	ccaaaggcgt	cggtaggaaa	ttccttgggt	tggtttctgt	300
agttccattt	ctcacttttg	ttgatctggg	tgccttccat	gtgctggctc	tgggcatagc	360
cacacttgca	caattctctc	ctgstaagca	cgatggtgtg	gacagggaag	aaggatttcc	420
ttgagcctgc	ttatggaaac	tggtattgtt	agcttaata	gac		463

<210> 363

<211> 653

117

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (653)

<223> n = A,T,C or G

<400> 363

acccccagagt	ncctgncctgg	catactgnga	acgaaccaacg	acacacccaa	gctcgggcctc	60
ctcttgngga	ttctgggtga	catcttcatg	aatggcaacc	gtgcagwga	ggctgtcttc	120
tgggaggcac	taagcaagat	gggactgcgt	cctgggggtga	gacatcctct	ccttggagat	180
ctaacgaaac	ttctcaccta	tgagttgtaa	agcagaasta	cctgnactac	agacagagtc	240
ccaacagcaa	ccccccggaa	gtatgagttc	ctctrgggcc	tcogttccta	ccatgagacc	300
tagcaagatg	naagtgttga	gantcattgc	agaggttcag	aaaagagacc	cntcgtgact	360
ggtctgcaca	gttcattggag	gctgcagatg	agggccttga	tgctctggat	gctgctgcag	420
ctgaggccga	agcccgggt	gaagcaagaa	ccgcctggg	aattggagat	gaggctgtgt	480
ntgggcoctg	gagctgggat	gacattgagt	ttgagctgct	gacctgggat	gaggaaggag	540
attttggaga	tccttggttc	agaattccat	ttacctctg	ggccagatac	caccagaatg	600
cccgtccag	attccctcag	acctttgcgg	gtcccattat	tggtcctggg	ggt	653

<210> 364

<211> 401

<212> DNA

<213> Homo sapien

<400> 364

actagaggaa	agacgttaaa	ccactctact	accaettgtg	gaactctcaa	agggtaaatg	60
acaaagccaa	tgaatgactc	taaaaacaat	atttacattt	aatggtttgt	agacaataaa	120
aaaacaaggt	ggatagatct	agaattgtaa	cattttaaga	aaaccatagc	atttgacaga	180
tgcgaaggt	caattataga	tgcaaaagtt	taactaaact	actatagtag	tcaagaaata	240
catttcacac	ccttcataata	aattcactat	cttggcttga	ggcactccat	aaaatgtatc	300
acgtgcatag	taaatcttta	tatttgctat	ggcgttgca	tagaggactt	ggactgcaac	360
aagtggatgc	ggggaataatg	aaatcttctt	caatagccca	g		401

<210> 365

<211> 386

<212> DNA

<213> Homo sapien

<400> 365

ccagtgtcat	atttgggctt	aaaatttcaa	gaagggcact	tcaaatggct	ttgcatttgc	60
atgtttcagt	gctagagcgt	aggaatagac	cctggcgctc	actgtgagat	gttcttcagc	120
taccagagca	tcaagtctct	gcagcaggtc	attcttgggt	aaagaaatga	cttcacacaa	180
ctctccatcc	ccttgctttg	gcttgggctt	tgcgttttcg	gcacatcttc	cgttaatggt	240
gaotgtcaag	atgtgtatag	tacagtttga	caagcctggg	tccatacaga	ccgctggaga	300
acattcggca	atgtcccttc	tgtagccagt	ttctttcttcg	agctcccgga	gagcag	356

<210> 366

<211> 1851

<212> DNA

<213> Homo sapien

<400> 366

tcatcaccat	tgcacgcagc	ggcacccgta	gtcagggtttt	ctgggaatcc	cacatgagta	60
cttccgtgtt	cttcattctt	cttcaatagc	cataaatctt	ctagctctgg	ctggctgttt	120
tcaattcctt	taagcctttg	tgactcttcc	tctgatgtca	gotttaagtc	ttgttctgga	180
ttgtgtttt	cagaagagat	ttttaacate	tglttttctt	tgtagtccga	aagtaactgg	240

```

caaattacat gatgatgact agaaacagca tactctctgg cgtctttcc agatcttgag 300
aagatacatc aacatitttg tcaagtagag ggtgactat acttgctgat ccacaacata 360
cagcaagtat gagagcagtt ctcccatato tatccagcgc atttaaatto gctttttct 420
tgattaaaaa tttccacct tgcgtttttt gctcatgtat accaagtagc agtgggtgtg 480
ggcatgctt gttttttgat tccatateag caccgtakaa gagcagtgct ttggccatta 540
atttatcttc attgtagaca gcatagtgtg gagtggattt tccatactca tctgggaatat 600
ttgatcagc gccatgttcc agcaacatta accacattc atcttctcgg cattgtacgg 660
cctttgtcag agctgtcttc tttttgttgt caagpacatt aagttgacat cgtctgtcca 720
gcacgagttt tactacttct gaattcccat tggcagaggg cagatgtaga gcagtcctct 780
tttcttgtc cctcttgttc acatccgtgt cctgagcact gacgatgaga tcttttctgg 840
ggactttacc ccaccaggca gctctgttga gctgtctcag atcttctcca tggacgttgt 900
acctgggac catgaaggcg ctgtcatcgt agtctcccca agcagccacg ttgctcttgc 960
cgtccctctg cagcagggga agcagtgcca gcaccacttg cactcttgc tcccaagcgt 1020
cttcacagag gactgttgt ggtctccaga agtgcacacg ttgctcttgc cgtctccct 1080
gtccatccag ggaggaagaa atgcaggaaa tgaagatgc atgcacgatg gtatactcct 1140
cagcatcca actcttgga acgaggtcac ttcagcagag gtggagaaag ctgtccacc 1200
acagaggatg agatccagaa acccaatat ccattcacaa acaaacactt ttcagccaga 1260
cacaggtact gaaatcatgt catctggcgc aacatgggtg aacctacca atcacacac 1320
aagagatgaa gcaactgcag tatacttcca caagtaata ctcttcatcc ataacaaaat 1380
aatataattt tctctggag ccatactgat gaactatgaa ggaagaactc cccgaagaag 1440
ccagtcgag agaagccaca ctgaagctct gtctcagcc atcagcgcca cggacaggat 1500
tgtgtttctt cccagtgat gcagcctcaa gttatccga agctgcgcca gcacacgggt 1560
gctctgaga aacaccccag ctcttcgggt ctacacaggg caagtcaata aatgtgataa 1620
tcacataaac agaattaaaa gcasagtcac ataaagcatc caacagacac agaaagggca 1680
tttgacaaa tcacagatcc ttgtatttat tgttgacgtt ctacagagaa atgcttctaa 1740
ctttcccca tttagtatta tgttgctgt ggggtgttc taggtgtttt ttattacttt 1800
aaggtatgtc cttctatgc ctgttttct gagggtttta attctcttgc c 1861

```

<210> 367
 <211> 668
 <212> DNA
 <213> Homo sapien

```

<400> 367
cttgagcttc caaataygga agactggccc ttacacaggt caatgtttaa atgaatgcat 60
ttcagtattt tgaagataaa atttgtatgt ctataccttg ttttttgatt cgtatccagc 120
acctataag agcagtgctt tggccattaa ttatcttttc attttagaca gortagtgya 180
gagtggattt tccatactca tctgggaatat ttgatcagc gccatgttcc agcaacatta 240
agcacattc atcttctcgg cattgtacgg cctgtcagta ttgagcccaa aaacaaatta 300
catatctttag gaattcaaaa taacattcca cagctttcac caactagtta tatitaaagg 360
agaaaactca tttttatgac atgtattgaa atcaaaccca cctcatgctg atatagttag 420
ctactgcata cttttatcag agctgtcttc tttttgttgt caaggacatt aagttagcat 480
cgtctgtcca gcaggagttt tactacttct gaattcccat tggcagaggg cagatgtaga 540
gcagtcctat gagagtgaga agacttttta ggaattgta gtgcactagc tacagccata 600
gcaatgatcc atgtaaactgc aaacactgaa tagcctgcta ttactctgcc ttcaaaaaaa 660
aaaaaa

```

<210> 368
 <211> 1512
 <212> DNA
 <213> Homo sapien

```

<400> 368
gggtgcgcca gggggggcgt gggttttctt cgggtgggtg tgggttttcc ctgggtgggg 60
tgggtgggc tggatccccc tgcctgggtt ggcaggtttt ggtcgggatt gacttttytc 120
ttcaaacaga ttggaacccc ggagttacot gctagtgggt gaactcgtt ggtagacgog 180
atctgttggc tactactggc ttctctcggc tgttaaaagc agatgggtgt tgggttgtat 240
tccatgcggy ctgctttctc tgtgaagaag ccatttggtc tccggggcaa gatgggtcag 300

```

tgggtgctgoc	gttgcttccc	ctgctgcagg	gagagcgggca	agagcaacgt	gggcacttct	360
ggagaccacg	acgactctgc	tatgaagaca	ctcaggagca	agatgggcaa	gtggtgcgcg	420
cactgcttcc	cctgctgcag	ggggagtggc	aagagcaacg	tgggcgcttc	tggagaccac	480
gacgaytctg	ctatgaagac	actcaggaac	aagatgggca	agtgggtgctg	ccactgcttc	540
ccctgctgca	gggggagcrg	caagagcaag	gtgggcgctt	ggggagacta	cgatgacagt	600
goccttcattg	agcccaggta	ccacgtccgt	ggagaagatc	tggacaagct	ccacagagct	660
gocctgggtgg	gtaaagtccc	cagaaaggat	ctcactgctc	tgctcaggga	cactgacgtg	720
aacaggaagg	acaagcamaa	gaggactgct	ctacatctgg	cctctgcmaa	tgggaattca	780
gaagttagta	aactctgct	ggacagacga	tgtcaactta	atgtccttga	caacaaaaag	840
aggacagctc	tgayaaagc	cgtacaatgc	caggaagatg	aatgtgcgtt	aatgttgcgtg	900
gaacatggca	ctgatccaaa	tattccagat	gagtatggaa	ataccactct	ccactaygct	960
xtctayaatg	aagataaatt	aatggccaaa	gcactgctct	tataygggtg	tgatatcgaa	1020
tcaaaaaaca	aggtatagat	ctactaattt	tattctcaaa	atactgaaat	gcattcattt	1080
taacattgac	gtgtgtaagg	gocagtcttc	cgtattttga	agatcaagca	taacttgaat	1140
gaaaatattt	tgaattgccc	tatttatctm	agactttatt	ttaastattg	ttattttcaa	1200
agaagcatta	gagggtagag	tttttttttt	ttaaatgcac	ttctggtaaa	tacttttgtt	1260
gaaaacagtc	aatttgtaaa	aggttaatac	tactattttt	caatttttcc	ctcctaggat	1320
ttttttccoc	taattgaatg	aagatggcaa	aatttgcctt	gaaatagggt	ttacatgaas	1380
actccaagaa	aagttaaaaa	tgtttcagtg	aatagagatc	ctgctccttt	ggcaagttcc	1440
taaaaaacag	taatagatac	gaggtgatgc	gocctgacgt	ggcaagggtt	aagatatttc	1500
tgatctcgtg	cc					1512

<210> 369

<211> 1853

<212> DNA

<213> Homo sapien

<400> 369

gggtgcccac	gggggagcgt	gggcttttct	cggttgggtg	tgggttttcc	ctgggtgggg	60
tgggtcgggc	trgaatcccc	tgtcggggtt	ggcaggtttt	ggctgggatt	gacttttctc	120
ttcaaacaga	ttggaacccc	ggagttacct	gctagtttgt	gaactcgggt	ggtagacgog	180
atctgtttgc	tactactggc	ttctcctggc	tgttaaaagc	agatgggtgg	tgaggttgat	240
tcctatgcgg	ctgcttcttc	tgtgaagaa	ccatttggtc	tcaggagcaa	gatgggcaag	300
tgggtcctgc	gttgcttccc	ctgctgcagg	gagagcgggc	agagcaacgt	gggcacttct	360
ggagaccacg	acgactctgc	tatgaagaca	ctcaggagca	agatgggcaa	gtggtgcgcg	420
cactgcttcc	cctgctgcag	ggggagtggc	aagagcaacg	tgggcgcttc	tggagaccac	480
gacgaytctg	ctatgaagac	actcaggaac	aagatgggca	agtgggtgctg	ccactgcttc	540
ccctgctgca	gggggagcrg	caagagcaag	gtgggcgctt	ggggagacta	cgatgacagy	600
goccttcattg	akcccaggta	ccacgtccgt	gggaagatc	tggacaagct	ccacagagct	660
gocctgggtgg	gtaaagtccc	cagaaaggat	ctcactgctc	tgctcaggga	cackgaggtg	720
aacaggaagg	acaagcamaa	gaggactgct	ctacatctgg	cctctgcmaa	tgggaattca	780
gaagttagta	aactctgct	ggacagacga	tgtcaactta	atgtccttga	caacaaaaag	840
aggacagctc	tgayaaagc	cgtacaatgc	caggaagatg	aatgtgcgtt	aatgttgcgtg	900
gaacatggca	ctgatccaaa	tattccagat	gagtatggaa	ataccactct	ccactaygct	960
xtctayaatg	aagataaatt	aatggccaaa	gcactgctct	tataygggtg	tgatatcgaa	1020
tcaaaaaaca	agcatggcct	caacccactg	ytacttggtr	tacatgagca	aaaacagcaa	1080
gtsgtgaaat	ttttaatgaa	gaacaaagcg	aatttaaaat	gcrcctggata	gatattggaag	1140
raetgctctc	atacttctg	tatgttggg	atcagcaagt	atagtcagcc	ytctacttga	1200
gcasaatrtt	gatgtatctt	ctcaagatct	ggaaagacgg	ccagagagta	tgtgttttct	1260
agtcactatc	atgtaatttg	ccagttactt	tctgactaca	aagaaaaaca	gatgttcaaa	1320
atctctctctg	aaaacagcaa	tcacagacaa	gacttaaaag	tgacatcaga	ggaagagtca	1380
caaaggttta	aaggaagtga	aaacagccag	ccagaggtat	ggaaactttt	aaatttaaac	1440
ttttggttta	atgttttttt	tttttgcctt	aatataatka	gatagtccca	aatgaatatw	1500
cctatgagac	tggccttga	gaatcaatag	attctttttt	taagaaatctt	ttggctagga	1560
gggtgtcttc	acgcctgtaa	ttccagccac	ttgagaggct	gaggtgggca	gatccagaga	1620
tcaggagatc	ggagccatcc	tggctaacac	ggtgaacccc	catctctact	aaaaatacaa	1680
aaacttagct	gggtgtgggtg	gggggtgctt	gtagtcccag	ctactcagga	rgctgagga	1740
ggagaatggc	atgaaccccg	gaggtggagg	ttgcagtggg	ccagatcccg	ccactacact	1800

120

ccagcctggg tgacagagca agactctgtc tcaaaaaaaa aaaaaaaa aaa 1853

<210> 370
 <211> 2184
 <212> DNA
 <213> Homo sapien

<400> 370
 ggaacgagaa ttanaaccct cagcaaaaaa ggcctagaag ggacatacct taagtaata 60
 aaaaaccct atgacaagcc cxcagccaac ataatactaa atggggaaaa gttagaagca 120
 ttctctctga gaactgcac aataaataca aggatgctgg attttgtcaa atgacctttc 180
 tgtctctgtt gagatgctta tgtgactttg cttttaattc tgtttatgtg attatcacat 240
 ttattgaact gactgtgtta gaccggaaga gctggggtgt ttctcaggag ccaccgtgtg 300
 ctggggcagc ttgggataa cttgaggctg catcactggg gaagaaacac aytectgtcc 360
 gtggcgtctg tggctgagga cagagcttca gtgtggcttc tctggacttg gcttctctgg 420
 ggagttcttc cttcatagtt catccatatt gctccagagg aaaaattatst tattttgtta 480
 tggatgaaga gtattacgtt gtgcagatat actgcagtgt cttcatctct tcatgtgtga 540
 ttgggtaggt tccaccatgt tgcgcagat gacatgattt cagtacctgt gctctggctga 600
 aaagtgtttt ttgtgaattg tctattgttg tttctggatc tcatctctctg tgggtggaca 660
 gctttctcca ccttgcctga agtgacctgc tgtccagaag tttgatgggt gaggagtata 720
 ccactcgtga tgcattcttc atttctctga tttctctcct cctggatgga cagggggagg 780
 ggaagagaca acgtgggcac ttctggagac caaaacgact cctctgtgaa gacgttggg 840
 agcaagaggt gcaagtgtgt ctgcactgct ttccctctgt gcaggggagg ggcaagagca 900
 acgtgggtgc ttggggagac tacgatgaca ggccttcat ggatccaggg taccacgtcc 960
 atggagaaga tctggacaag ctccacagag ctgcctgggt gggttaagtc cccagaaagg 1020
 atctcactgt catgtcagg gacacggatg tgaacaagag gacaagcaa aagaggactg 1080
 ctctacatct ggcctctgcc aatgggaatt cagaagtagt aaaaactcgt ctggacagac 1140
 gatgtcaact taatgtcttt gacaacaaaa agaggacage tctgacaaag gccgtacaat 1200
 gccaggaaga tgaatgtgct ttaatgttgc tggacatgg cactgatcca aatattccag 1260
 atgagtatgg aaataccact ctacactatg ctgtctacaa tgaagataaa ttaatggcca 1320
 aagcactgct cttatacgtt gctgatatcg aatcaaaaaa caagcatggc ctccaccac 1380
 tgctacttgg tatcatgag caaaaaacag aagtgtgtga atttttaac aagaaaaaag 1440
 cgaattttaa tgcgttgat agatatgaa gaattgctct catacttgct gtatgtgtg 1500
 gatcagaag tatagtcage cctctacttg agcaaaatgt tgatgtatct tctcaggatc 1560
 tggaaagacg gccagagagt atgtgtttc tagtcatcat catgttaatt gccagttact 1620
 ttctgactac aaagaaaaac agatgtttaa aatctcttct gaaaacagca atccagaaca 1680
 agacttaag ctgacatcag aggaagagtc acaagggctt aaaggaagtg aaacagcca 1740
 gccagaggca tggaaaacttt taattttaa cttttgggtt aatgtttttt ttttttgcct 1800
 taataatatt agatagtccc aatgaaatw acctatgaga ctaggctttg agaataata 1860
 gattcttttt ttaagaatct tttggctagg agcgtgtct cagcctgta attccagcac 1920
 cttgagaggc tgaagtgagg agatcacgag atcaggagat cgagaccatc ctggttaaca 1980
 cgggtgaacc ccactctctac taasataca aaaaacttagc tgggtgtggt ggccggtgcc 2040
 tgragtccca gctactcagg argctgaggc aggaagaatg catgaacccg ggaggtggag 2100
 gttgcagtga gcagagatcc gccactacac tccagcctgg gtgacagagc aagaactctgt 2160
 ctcaaaaaaa aaaaaaaaaa aaaa 2184

<210> 371
 <211> 1855
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc feature
 <222> (1)...(1855)
 <223> n = A, T, C or G
 <400> 371
 tgcacgcata ggccagtgtc tgtgccactg acactgaagc cccctgagat gtgcacgcgc 60

cacgcgcacg	ttgcacgcgc	ggcagcggtt	tggttggtt	gtacgggtt	gcagcgacac	120
gcgcgcgcgc	cataacgcgc	agactggcct	gtacgggtt	gcagcgacac	gcgcgcgcgc	130
cgtacgggtt	tggttggtt	gtacgggtt	gcagcgacac	gcagcgacac	cgttacgggc	240
ttggctggga	ttgtagcgct	tggttggtt	ttgcatyytt	tgctkggctk	ggcgttgkty	300
tcttggttg	acgcttctct	cttggttgga	cgcttctctc	ttggttgga	gtttctytyt	360
tgcgttctct	ttgctggact	tgacgtttty	ttgctgggt	ttggttgga	tttgggttg	420
gctgggtgtt	ttctccgggg	gggkkgccc	ttctggggg	ggcgttggtk	cgcccccagg	480
ggcgttggtg	tttcccgggg	tggttggtg	tttctctggg	gtgggttggt	ctgtgctggg	540
atcccccgtg	tggttggtg	agggttgga	ttttttcttc	aaacagattg	gaaccccgga	600
gtacgttggt	agttgggtga	actgggttggt	agacggatc	tggttggtt	actgtttctc	660
ctggctgtta	aaagcgatg	tggttggtg	ttgattcaat	gcgggtggt	ttctctgtga	720
agaagccatt	tggtctcagg	agcaagatgg	gcaggttggt	cgccactgct	tccctctgtg	780
cagggggagg	ggcaagagca	acgtgggtc	ttctgggtg	cacacagact	ctctctgtga	840
gaagcttggt	agcaagaggt	gcaagtggtg	ctgcccactg	cttccctctg	tgacggggag	900
cggcaagagg	aacgtggkcg	cttggggaga	ctacgatgac	agcgccttca	tggaacccag	960
gtacccagtc	cttggtgag	atctgggaca	gtccacaga	gtgctgtgtt	gggttaaggt	1020
ccccagaaag	gatctcatcg	tcctgctcag	ggacactgag	gtgaacaaga	rggacaagca	1080
aaagaggact	gctctacatc	tggtctctgc	caatgggaa	tcagaagtag	tacaaactcgt	1140
gttggtgaga	cgatgtcaac	ttaatgtctc	tgacaacaaa	aaagggagag	ctctgacaaa	1200
ggcgttgaca	tgccaggaag	atgaatgtgc	gttaatgttg	ctggaacatg	gcactgatcc	1260
aaatatttca	gatgagtatg	gaaataccac	ttctacactat	gtgtgtctca	atgaagataa	1320
attaatggcc	aaagcactgc	tccttatacgg	tgctgatata	gaatcaaaaa	acaaggtata	1380
gatctactaa	ttttatcttc	aaaatactga	aatgcattca	ttttaacatt	gaogtgtgta	1440
agggccagtc	ttccgttatt	ggaagctcaa	gcataacttg	aatgaanaa	ttttgaantg	1500
acttaattat	ctaaagacttt	atttttaata	ttgttatttt	caagaagaca	ttagagggta	1560
cagttttttt	tttttaaatg	cactttctgt	aaatactttt	gttgaanaaa	ctgaatttgt	1620
aaaaggtaat	acttactatt	tttcaatttt	tcctctctag	gatttttttc	ccctaattga	1680
tgtaagatgg	caaaatttgc	cttgaaatag	gttttctcatg	aaactccaa	gaagagttta	1740
acatgtttca	gtgctatag	atctgctctc	tttggtcaagt	tcctaaaaaa	cagtaataga	1800
taagaggtga	tgccgctgtc	agtggcaagg	tttaagatat	ttctgatctc	gtgcc	1855

<210> 372

<211> 1059

<212> DNA

<213> Homo sapien

<400> 372

gcaacgtggg	cacttctgga	gaccacaacg	actcctctgt	gaagaagctt	gggagcaaga	60
gggtcaagtg	gtgctgccc	ctgcttcccc	tgctgcagg	gagcggaag	agcaacgtgg	120
gcgtcttgrg	agactmcgat	gacagygctt	tcattggagc	caggtaccac	gtccgtggag	180
aagatcttga	caagctccac	agagctgccc	tggtggggta	aagtcgccag	aaaggtctct	240
atcgtctatg	tcaggggcac	tgaygtgaac	asgarggaca	agcaaaagag	gactgctcta	300
catctggcct	ctgccaatgg	gaattcagaa	gtagttaaac	tctgtctgga	cagaagatgt	360
caacttaast	tccttgacaa	caaaaagagg	acagctctga	yaaaggccgt	acaaatgccg	420
gaagatgaat	gtgogttaat	gttgctggaa	catggcactg	atccaaatat	tcagatggg	480
tatggaaata	ccactcttca	ctaygcttct	tayaatgaag	ataaattaat	ggccaaagca	540
ctgctcttat	ayggtgctga	tatcgaaatc	aaaaacaagg	tatagatcta	ctaattttat	600
cttcasata	ctgaatgca	ttcattttta	cattgacgtg	tgtaagggtc	agtcttccgt	660
atttgggaag	tcagacataa	cttgaatgaa	aatattttta	aatgaacctaa	ttctctaaag	720
ctttattttt	aatattgtta	ttttcaagaa	agcatttagag	ggtacagttt	ttttttttta	780
aatgcacttc	tggtaaatac	ttttgttgaa	aaacttgaa	ttgtaaaagg	taatacttac	840
tattttttca	tttttctctc	ctaggatttt	tttcccttaa	tgaaatgtaa	atggcaaaat	900
ttgcccgtga	ataggittta	catgaaaact	ccaagaaaag	ttaaacatgt	ttcagtgaa	960
agagatctct	ctccttttgc	aagtttctaa	aaaacagtaa	tagatacggg	gtgatggccc	1020
tgccagtggc	aaggttttaag	atattttctga	tctcgtgccc			1059

<210> 373

<211> 1155

122

<212> DNA

<213> Homo sapien

<400> 373

atggtggttg	aggttgattc	catgcgggct	gcctttcttg	tgaagaagcc	atttgggtctc	60
aggagcaaga	tgggcaagtg	gtgctgccgt	tgttccccc	gctgcaggga	gagcggcaag	120
agcaacgttg	gcactttctg	agaccacgac	gactctgcta	tgaagacact	caggagcaag	180
atgggcaagt	ggtgcgcgca	ctgcttcccc	tgctgcaggg	ggagtggcaa	gagcaacgtg	240
ggcgcttctg	gagaccacga	cgactctgct	atgaagacac	tcaggaaaca	gatgggcaag	300
tgggtgctgc	actgcttccc	ctgctgcagg	gggagcggca	agagcaaggt	ggcgcttctg	360
ggagactacg	atgacagtgc	cttcctggag	cccaggtacc	acgtccgttg	agaagatctg	420
gacaagctcc	acagagctgc	ctgggtgggt	aaagtcccca	gaaaggatct	catcgtcatg	480
ctcaggcgaca	ctgagctgaa	caagaaggac	aagcaaaaga	ggactgctct	acatctggcc	540
tctgccaatg	ggaattcaga	agtgttaaaa	ctctgtgttg	acagacgatg	tcaacttaat	600
gtccttgaca	acaaaaagag	gacagctctg	ataaaggccg	tacaatgcca	ggaagatgaa	660
tgtgcgttaa	tgttgcctga	acatggcact	gattccaaata	ttccagatga	gtatggaaat	720
accactctgc	actacgctat	ctataatgaa	gataaattaa	tggccaaagc	actgctctta	780
tatgggtgctg	atatcgatc	aaaaaacaaag	catggcctca	caccactgtt	acttgggtgta	840
catgagcaca	aacagcaagt	cgtgaaatct	ttactcaaga	aaaaagcgaa	tttaaatgca	900
ctggatagat	atggaaggac	tgtcttcata	cttgtgttat	gttgtggatc	agcaagtata	960
gtcagccttc	tacttgagca	aaatattgat	gtatcttctc	aagatctatc	tggacagacg	1020
gccagagagt	atgctgtttc	tagtcatcat	catgtaattt	gccagttact	ttctgactac	1080
aaagaaaaac	agatgctaaa	aatctcttct	gaasacagca	atccagaata	tgtctcaaga	1140
acagaaaata	aataa					1155

<210> 374

<211> Z000

<212> DNA

<213> Homo sapien

<400> 374

atggtggttg	aggttgattc	catgcgggct	gcctttcttg	tgaagaagcc	atttgggtctc	60
aggagcaaga	tgggcaagtg	gtgctgccgt	tgttccccc	gctgcaggga	gagcggcaag	120
agcaacgttg	gcactttctg	agaccacgac	gactctgcta	tgaagacact	caggagcaag	180
atgggcaagt	ggtgcgcgca	ctgcttcccc	tgctgcaggg	ggagtggcaa	gagcaacgtg	240
ggcgcttctg	gagaccacga	cgactctgct	atgaagacac	tcaggaaaca	gatgggcaag	300
tgggtgctgc	actgcttccc	ctgctgcagg	gggagcggca	agagcaaggt	ggcgcttctg	360
ggagactacg	atgacagtgc	cttcctggag	cccaggtacc	acgtccgttg	agaagatctg	420
gacaagctcc	acagagctgc	ctgggtgggt	aaagtcccca	gaaaggatct	catcgtcatg	480
ctcaggcgaca	ctgagctgaa	caagaaggac	aagcaaaaga	ggactgctct	acatctggcc	540
tctgccaatg	ggaattcaga	agtgttaaaa	ctctgtgttg	acagacgatg	tcaacttaat	600
gtccttgaca	acaaaaagag	gacagctctg	ataaaggccg	tacaatgcca	ggaagatgaa	660
tgtgcgttaa	tgttgcctga	acatggcact	gattccaaata	ttccagatga	gtatggaaat	720
accactctgc	actacgctat	ctataatgaa	gataaattaa	tggccaaagc	actgctctta	780
tatgggtgctg	atatcgatc	aaaaaacaaag	catggcctca	caccactgtt	acttgggtgta	840
catgagcaca	aacagcaagt	cgtgaaatct	ttactcaaga	aaaaagcgaa	tttaaatgca	900
ctggatagat	atggaaggac	tgtcttcata	cttgtgttat	gttgtggatc	agcaagtata	960
gtcagccttc	tacttgagca	aaatattgat	gtatcttctc	aagatctatc	tggacagacg	1020
gccagagagt	atgctgtttc	tagtcatcat	catgtaattt	gccagttact	ttctgactac	1080
aaagaaaaac	agatgctaaa	aatctcttct	gaasacagca	atccagaata	agacttaaaag	1140
ctgacatcag	aggaagagtc	acaaagggtc	aaaggcagtg	aaaatagcca	gccagagaaa	1200
atgtctcaag	aaccagaaat	aaataaggat	ggtgtatagag	aggttgaaga	agaaatgaag	1260
aagcctgaaa	gtaataatgt	gggtattact	gaasacctga	ctaattgggtg	cactgctggc	1320
aattggtgata	atggtattat	tctctaaagg	aagagcagaa	cacctgaaaa	tcagcaattt	1380
cctgacacag	aaagtgaaga	gtatcacaga	atttgcgaat	tagtttctga	ctacaaagaa	1440
aaacagatgc	caaaatactc	ttctgaaaac	agcaaccacg	aacaagaactt	aaagctgaca	1500
tcagagggaag	agtcacaaag	gcttgagggc	agtgaaaatg	gccagccaga	gctagaaaat	1560
tttatggcta	togaagaat	gaagaagcac	ggaagtactc	atgtcggatt	cccagaaaaac	1620

123

ctgactaatg	gtgocactgc	tggcaatggt	gatgatggat	taattctctc	aggaagagc	1680
agaacacctg	aaagccagca	atttctgac	actgagaatg	agagtatca	cagtgaagaa	1740
caaatgata	ctcagaaagc	atattgtgaa	gaacagaaca	ctggatatat	acacgatgag	1800
attctgattc	atgaagaaam	gcagatagaa	gtggttgaaa	aaatgaattc	tgagctttct	1860
cttagttgta	agaaagaaaa	agacatcttg	catgaaata	gtacgttgcc	ggaagaaatt	1920
gccatgctaa	gactggagct	agacacaaatg	aaacatcaga	gccagctaaa	aaaaaaaaaa	1980
aaaaaaaaaa	aaaaaaaaaa					2000

<210> 373

<211> 2040

<212> DNA

<213> Homo sapien

<400> 373

atggtggttg	aggttgattc	catgcccggc	gcctcttctg	tgaagaaagc	atttggtctc	60
aggaagcaag	tgggcaagtg	gtgctgccc	tgcttcccct	gtgcaagga	gagcggcaag	120
agcaacgttg	gcactttctg	agaccacgac	gactctgcta	tgaagacact	caggagcaag	180
atgggcaagt	ggtgcccga	ctgcttccc	tgctgcagg	ggagtggcaa	gagcaacgtg	240
ggcgttctg	gagaccagc	cgactctgct	atgaagacac	tcaggaaaca	gatgggcaag	300
tggtgctgcc	actgcttccc	ctgctgcagg	gggagcggca	agagcaaggt	ggcgcgttgg	360
ggagactacg	atgacagtgc	cttcatggag	cccaggtacc	ccgtccgtgg	agaagatctg	420
gacaagctcc	acagagctgc	ctgggtgggt	aaagtcccca	gaaaggatct	catcgtcatg	480
ctcagggaca	ctgacgtgaa	caagaaggac	aagcaaaaga	ggaetgctct	acatctggcc	540
tctgccaatg	ggaattcaga	agtagtaaaa	ctcctgctgg	acagacgatg	tcaacttaac	600
gtccttgaca	acaaaaagag	gacagctctg	ataaaggccg	tacaatgcca	ggaagatgaa	660
tgtgcgttaa	tggtgctgga	acatggcact	gatccaaata	ttccagatga	gtatggaaat	720
accactctgc	actacgctat	ctataatgaa	gataaattaa	tggccaaagc	actgctctta	780
tatggtgctg	atatcgaatc	aaaaaacaa	catggcctca	caccactgtt	acttggtgta	840
catgagcaaa	aacagcaagt	cgtgaatttt	ttaatcaaga	aaaaagcgaa	tttaaatgca	900
ctggatagat	atggaaggac	tgtctctata	cttgctgtat	gttggtggatc	agcaagtata	960
gtcagccttc	taettgagca	aaatattgat	gtatcttctc	aagatctatc	tggaacagac	1020
gccagagagt	atgctgtttc	tagtcatcat	catgtaattt	gccagttact	ttctgactac	1080
aaagaaaaac	agatgctaaa	aatctcttct	gaaaacagca	atccagaaca	agacttaaac	1140
ctgacatcag	aggaagagtc	acaaaggttc	aaaggcagtg	aaatagcca	gccagagaaa	1200
atgtctcaag	aaccagaagt	aaataaggat	ggtgatagag	aggttganga	agaaatgaag	1260
aagcatgaaa	gtaataatgt	gggattacta	gaaaacctga	ctaattggtg	cactgcttgc	1320
aetggtgata	atggattaat	tcttcaaaag	aagagccaga	cacctgaaaa	tcagcaattt	1380
cctgcaaacg	aaagtgaaga	gtatcacaga	atttgogaat	tagtttctga	ctacaaagaa	1440
aaacagatgc	caaaatactc	ttctgaanaa	agcaaccacg	aaacagactt	aaagctgaca	1500
tcagagggaag	agtcacaaag	gcttgagggc	agtgaanaatg	gccagccaga	gaaagatctt	1560
caagaaccag	aaataaataa	ggatggtgat	agagagctag	aaaattttat	ggctatcgaa	1620
gaatgaaga	agcacgggaag	tactcatgtc	ggattcccag	aaaacctgac	taatggtgcc	1680
actgctggca	atggtgatga	tggattaatt	cctccaaagga	agagcagaac	acctgaagac	1740
cagcaatttc	ctgacactga	gaatgaagag	tatcacagtg	acgaacaaaa	tgatactcag	1800
aagcaatttt	gtgaagaaca	gaacactgga	atattacacg	atgagattct	gattcatgaa	1860
gaaaagcaga	tagaagtggg	tgaaaaaaatg	aattctgagc	tttctcttag	ttgtaagaaa	1920
gaaaagaca	tcttgcatga	aaatagtacg	ttgcgggaag	aaattgccat	gctaagactg	1980
gagctagaca	caatgaacaa	tcagagccag	ctaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2040

<210> 376

<211> 323

<212> PRT

<213> Homo sapien

<400> 376

Met	Asp	Ile	Val	Val	Ser	Gly	Ser	His	Pro	Leu	Trp	Val	Asp	Ser	Phe
1			5					10					15		
Leu	His	Leu	Ala	Gly	Ser	Asp	Leu	Leu	Ser	Arg	Ser	Leu	Met	Ala	Glu

24

[illegible]

```
<210> 377
<211> 146
<212> FFT
<213> Homo sapien
```

```
<220>  
<221> VARIANT  
<222> {1}...{148}  
<223> Xaa = Any Amino Acid
```

<400> 377																
Met	Thr	Xaa	Pro	Ser	Trp	Ser	Pro	Gly	Thr	Thr	Ser	Val	Glu	Lys	Ile	
1				5					10					15		
Trp	Thr	Ser	Ser	Thr	Glu	Leu	Pro	Trp	Trp	Gly	Lys	Val	Pro	Arg	Lys	
			20					25					30			
Asp	Leu	Ile	Val	Met	Leu	Arg	Asp	Thr	Asp	Val	Asn	Lys	Xaa	Asp	Lys	
		35					40					45				
Gln	Lys	Arg	Thr	Ala	Leu	His	Leu	Ala	Ser	Ala	Asn	Gly	Asn	Ser	Glu	

125

50	55	60
Val Val Lys Leu Xaa Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp		
65	70	75
Asn Lys Lys Arg Thr Ala Leu Xaa Lys Ala Val Gln Cys Gln Glu Asp		
	85	90
Glu Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro		
	100	105
Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Xaa Tyr Asn Glu Asp		
	115	120
Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser		
	130	135
Lys Asn Lys Val		140
145		

<210> 378

<211> 1715

<212> FRT

<213> Homo sapien

<400> 378

Met Val Val Glu Val Asp Ser Met Pro Ala Ala Ser Ser Val Lys Lys		
1	5	10
Pro Phe Gly Leu Arg Ser Lys Met Gly Lys Trp Cys Cys Arg Cys Phe		
	20	25
Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp		
	35	40
His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys Met Gly Lys Trp		
	50	55
Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val		
	65	70
Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Asn		
	85	90
Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser		
	100	105
Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe		
	115	120
Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu Asp Lys Leu His		
	130	135
Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met		
	145	150
Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln Lys Arg Thr Ala		
	165	170
Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Lys Leu Leu		
	180	185
Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr		
	195	200
Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala Leu Met		
	210	215
Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn		
	225	230
Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys		
	245	250
Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly		
	260	265
Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val		
	275	280
Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr		
	290	295
		300

Gly	Arg	Thr	Ala	Leu	Ile	Leu	Ala	Val	Cys	Cys	Gly	Ser	Ala	Ser	Ile
305				310					315						320
Val	Ser	Leu	Leu	Leu	Glu	Gln	Asn	Ile	Asp	Val	Ser	Ser	Gln	Asp	Leu
			325						330						335
Ser	Gly	Gln	Thr	Ala	Arg	Glu	Tyr	Ala	Val	Ser	Ser	His	His	His	Val
			340					345					350		
Ile	Cys	Gln	Leu	Leu	Ser	Asp	Tyr	Lys	Glu	Lys	Gln	Met	Leu	Lys	Ile
	355						360					365			
Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Asn	Val	Ser	Arg	Thr	Arg	Asn	Lys
	370					375					380				
Pro	Arg	Thr	His	Met	Val	Glu	Val	Asp	Ser	Met	Pro	Ala	Ala	Ser	
385				390					395						400
Ser	Val	Lys	Lys	Pro	Phe	Gly	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp	Cys
			405						410						415
Cys	Arg	Cys	Phe	Pro	Cys	Cys	Arg	Glu	Ser	Gly	Lys	Ser	Asn	Val	Gly
	420						425						430		
Thr	Ser	Gly	Asp	His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Ser	Lys
	435						440						445		
Met	Gly	Lys	Trp	Cys	Arg	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser	Gly
	450					455					460				
Lys	Ser	Asn	Val	Gly	Ala	Ser	Gly	Asp	His	Asp	Asp	Ser	Ala	Met	Lys
465				470					475						480
Thr	Leu	Arg	Asn	Lys	Met	Gly	Lys	Trp	Cys	Cys	His	Cys	Phe	Pro	Cys
			485						490					495	
Cys	Arg	Gly	Ser	Gly	Lys	Ser	Lys	Val	Gly	Ala	Trp	Gly	Asp	Tyr	Asp
	500							505					510		
Asp	Ser	Ala	Phe	Met	Glu	Pro	Arg	Tyr	His	Val	Arg	Gly	Glu	Asp	Leu
	515						520					525			
Asp	Lys	Leu	His	Arg	Ala	Ala	Trp	Trp	Gly	Lys	Val	Pro	Arg	Lys	Asp
	530					535					540				
Leu	Ile	Val	Met	Leu	Arg	Asp	Thr	Asp	Val	Asn	Lys	Lys	Asp	Lys	Gln
545				550						555					560
Lys	Arg	Thr	Ala	Leu	His	Leu	Ala	Ser	Ala	Asn	Gly	Asn	Ser	Glu	Val
			565						570					575	
Val	Lys	Leu	Leu	Leu	Asp	Arg	Arg	Cys	Gln	Leu	Asn	Val	Leu	Asp	Asn
	580						585						590		
Lys	Lys	Arg	Thr	Ala	Leu	Ile	Lys	Ala	Val	Gln	Cys	Gln	Glu	Asp	Glu
	595					600						605			
Cys	Ala	Leu	Met	Leu	Leu	Glu	His	Gly	Thr	Asp	Pro	Asn	Ile	Pro	Asp
	610					615					620				
Glu	Tyr	Gly	Asn	Thr	Thr	Leu	His	Tyr	Ala	Ile	Tyr	Asn	Glu	Asp	Lys
625				630					635						640
Leu	Met	Ala	Lys	Ala	Leu	Leu	Leu	Tyr	Gly	Ala	Asp	Ile	Glu	Ser	Lys
			645						650					655	
Asn	Lys	His	Gly	Leu	Thr	Pro	Leu	Leu	Leu	Gly	Val	His	Glu	Gln	Lys
	660						665						670		
Gln	Gln	Val	Val	Lys	Phe	Leu	Ile	Lys	Lys	Lys	Ala	Asn	Leu	Asn	Ala
	675					680						685			
Leu	Asp	Arg	Tyr	Gly	Arg	Thr	Ala	Leu	Ile	Leu	Ala	Val	Cys	Cys	Gly
	690					695					700				
Ser	Ala	Ser	Ile	Val	Ser	Leu	Leu	Leu	Glu	Gln	Asn	Ile	Asp	Val	Ser
705				710						715					720
Ser	Gln	Asp	Leu	Ser	Gly	Gln	Thr	Ala	Arg	Glu	Tyr	Ala	Val	Ser	Ser
			725						730					735	
His	His	His	Val	Ile	Cys	Gln	Leu	Leu	Ser	Asp	Tyr	Lys	Glu	Lys	Gln
	740						745						750		
Met	Leu	Lys	Ile	Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Gln	Asp	Leu	Lys
	755						760						765		

Leu Thr Ser Glu Glu Glu Ser Gln Arg Phe Lys Gly Ser Glu Asn Ser															
770					775				780						
Gln Pro Glu Lys Met Ser Gln Glu Pro Glu Ile Asn Lys Asp Gly Asp															
785					790				795						800
Arg Glu Val Glu Glu Glu Met Lys Lys His Glu Ser Asn Asn Val Gly															
				805					810						815
Leu Leu Glu Asn Leu Thr Asn Gly Val Thr Ala Gly Asn Gly Asp Asn															
				820					825						830
Gly Leu Ile Pro Gln Arg Lys Ser Arg Thr Pro Glu Asn Gln Gln Phe															
				835					840						845
Pro Asp Asn Glu Ser Glu Glu Tyr His Arg Ile Cys Glu Leu Val Ser															
				850					855						860
Asp Tyr Lys Glu Lys Gln Met Pro Lys Tyr Ser Ser Glu Asn Ser Asn															
				865					870						875
Pro Glu Gln Asp Leu Lys Leu Thr Ser Glu Glu Glu Ser Gln Arg Leu															
				885					890						895
Glu Gly Ser Glu Asn Gly Gln Pro Glu Leu Glu Asn Phe Met Ala Ile															
				900					905						910
Glu Gln Met Lys Lys His Gly Ser Thr His Val Gly Phe Pro Glu Asn															
				915					920						925
Leu Thr Asn Gly Ala Thr Ala Gly Asn Gly Asp Asp Gly Leu Ile Pro															
				930					935						940
Pro Arg Lys Ser Arg Thr Pro Glu Ser Gln Gln Phe Pro Asp Thr Glu															
				945					950						955
Asn Glu Glu Tyr His Ser Asp Glu Gln Asn Asp Thr Gln Lys Gln Phe															
				965					970						975
Cys Glu Glu Gln Asn Thr Gly Ile Leu His Asp Glu Ile Leu Ile His															
				980					985						990
Glu Gln Lys Gln Ile Glu Val Val Glu Lys Met Asn Ser Glu Leu Ser															
				995					1000						1005
Leu Ser Cys Lys Lys Glu Lys Asp Ile Leu His Glu Asn Ser Thr Leu															
				1010					1015						1020
Arg Glu Glu Ile Ala Met Leu Arg Leu Glu Leu Asp Thr Met Lys His															
				1025					1030						1035
Gln Ser Gln Leu Pro Arg Thr His Met Val Val Glu Val Asp Ser Met															
				1045					1050						1055
Pro Ala Ala Ser Ser Val Lys Lys Pro Phe Gly Leu Arg Ser Lys Met															
				1060					1065						1070
Gly Lys Trp Cys Cys Arg Cys Phe Pro Cys Cys Arg Glu Ser Gly Lys															
				1075					1080						1085
Ser Asn Val Gly Thr Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr															
				1090					1095						1100
Leu Arg Ser Lys Met Gly Lys Trp Cys Arg His Cys Phe Pro Cys Cys															
				1105					1110						1115
Arg Gly Ser Gly Lys Ser Asn Val Gly Ala Ser Gly Asp His Asp Asp															
				1125					1130						1135
Ser Ala Met Lys Thr Leu Arg Asn Lys Met Gly Lys Trp Cys Cys His															
				1140					1145						1150
Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Lys Val Gly Ala Trp															
				1155					1160						1165
Gly Asp Tyr Asp Asp Ser Ala Phe Met Glu Pro Arg Tyr His Val Arg															
				1170					1175						1180
Gly Glu Asp Leu Asp Lys Leu His Arg Ala Ala Trp Trp Gly Lys Val															
				1185					1190						1195
Pro Arg Lys Asp Leu Ile Val Met Leu Arg Asp Thr Asp Val Asn Lys															
				1205					1210						1215
Lys Asp Lys Gln Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly															
				1220					1225						1230

128

Asn Ser Glu Val Val Lys Leu Leu Leu Asp Arg Arg Cys Gln Leu Asn
 1235 1240 1245
 Val Leu Asp Asn Lys Lys Arg Thr Ala Leu Ile Lys Ala Val Gln Cys
 1250 1255 1260
 Gln Glu Asp Glu Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro
 1265 1270 1275 1280
 Asn Ile Pro Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Ile Tyr
 1285 1290 1295
 Asn Glu Asp Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp
 1300 1305 1310
 Ile Glu Ser Lys Asn Lys His Gly Leu Thr Pro Leu Leu Leu Gly Val
 1315 1320 1325
 His Glu Gln Lys Gln Gln Val Val Lys Phe Leu Ile Lys Lys Lys Ala
 1330 1335 1340
 Asn Leu Asn Ala Leu Asp Arg Tyr Gly Arg Thr Ala Leu Ile Leu Ala
 1345 1350 1355 1360
 Val Cys Cys Gly Ser Ala Ser Ile Val Ser Leu Leu Leu Glu Gln Asn
 1365 1370 1375
 Ile Asp Val Ser Ser Gln Asp Leu Ser Gly Gln Thr Ala Arg Glu Tyr
 1380 1385 1390
 Ala Val Ser Ser His His His Val Ile Cys Gln Leu Leu Ser Asp Tyr
 1395 1400 1405
 Lys Glu Lys Gln Met Leu Lys Ile Ser Ser Glu Asn Ser Asn Pro Glu
 1410 1415 1420
 Gln Asp Leu Lys Leu Thr Ser Glu Gln Glu Ser Gln Arg Phe Lys Gly
 1425 1430 1435 1440
 Ser Glu Asn Ser Gln Pro Glu Lys Met Ser Gln Glu Pro Glu Ile Asn
 1445 1450 1455
 Lys Asp Gly Asp Arg Glu Val Glu Glu Glu Met Lys Lys His Glu Ser
 1460 1465 1470
 Asn Asn Val Gly Leu Leu Glu Asn Leu Thr Asn Gly Val Thr Ala Gly
 1475 1480 1485
 Asn Gly Asp Asn Gly Leu Ile Pro Gln Arg Lys Ser Arg Thr Pro Glu
 1490 1495 1500
 Asn Gln Gln Phe Pro Asp Asn Glu Ser Glu Glu Tyr His Arg Ile Cys
 1505 1510 1515 1520
 Glu Leu Val Ser Asp Tyr Lys Glu Lys Gln Met Pro Lys Tyr Ser Ser
 1525 1530 1535
 Glu Asn Ser Asn Pro Glu Gln Asp Leu Lys Leu Thr Ser Glu Glu Glu
 1540 1545 1550
 Ser Gln Arg Leu Glu Gly Ser Glu Asn Gly Gln Pro Glu Lys Arg Ser
 1555 1560 1565
 Gln Glu Pro Glu Ile Asn Lys Asp Gly Asp Arg Glu Leu Glu Asn Phe
 1570 1575 1580
 Met Ala Ile Glu Glu Met Lys Lys His Gly Ser Thr His Val Gly Phe
 1585 1590 1595 1600
 Pro Glu Asn Leu Thr Asn Gly Ala Thr Ala Gly Asn Gly Asp Asp Gly
 1605 1610 1615
 Leu Ile Pro Pro Arg Lys Ser Arg Thr Pro Glu Ser Gln Gln Phe Pro
 1620 1625 1630
 Asp Thr Glu Asn Glu Glu Tyr His Ser Asp Glu Gln Asn Asp Thr Gln
 1635 1640 1645
 Lys Gln Phe Cys Glu Glu Gln Asn Thr Gly Ile Leu His Asp Glu Ile
 1650 1655 1660
 Leu Ile His Glu Glu Lys Gln Ile Glu Val Val Glu Lys Met Asn Ser
 1665 1670 1675 1680
 Glu Leu Ser Leu Ser Cys Lys Lys Glu Lys Asp Ile Leu His Glu Asn
 1685 1690 1695

129

Ser Thr Leu Arg Glu Glu Ile Ala Met Leu Arg Leu Glu Leu Asp Thr
 1700 1705 1710
 Met Lys His Gln Ser Gln Leu
 1715

<210> 379
 <211> 656
 <212> PRT
 <213> Homo sapien

<400> 379
 Met Val Val Glu Val Asp Ser Met Pro Ala Ala Ser Ser Val Lys Lys
 1 5 10 15
 Pro Phe Gly Leu Arg Ser Lys Met Gly Lys Trp Cys Cys Arg Cys Phe
 20 25 30
 Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp
 35 40 45
 His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys Met Gly Lys Trp
 50 55 60
 Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val
 65 70 75 80
 Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Asn
 85 90 95
 Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser
 100 105 110
 Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe
 115 120 125
 Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu Asp Lys Leu His
 130 135 140
 Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met
 145 150 155 160
 Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln Lys Arg Thr Ala
 165 170 175
 Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Lys Leu Leu
 180 185 190
 Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
 195 200 205
 Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala Leu Met
 210 215 220
 Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn
 225 230 235 240
 Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys
 245 250 255
 Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly
 260 265 270
 Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val
 275 280 285
 Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr
 290 295 300
 Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile
 305 310 315 320
 Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln Asp Leu
 325 330 335
 Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His Val
 340 345 350
 Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile
 355 360 365
 Ser Ser Glu Asn Ser Asn Pro Glu Gln Asp Leu Lys Leu Thr Ser Glu

130

```

      370      375      380
Glu Glu Ser Gln Arg Phe Lys Gly Ser Glu Asn Ser Gln Pro Glu Lys
385      390      395      400
Met Ser Gln Glu Pro Glu Ile Asn Lys Asp Gly Asp Arg Glu Val Glu
      405      410      415
Glu Glu Met Lys Lys His Glu Ser Asn Asn Val Gly Leu Leu Glu Asn
      420      425      430
Leu Thr Asn Gly Val Thr Ala Gly Asn Gly Asp Asn Gly Leu Ile Pro
      435      440      445
Gln Arg Lys Ser Arg Thr Pro Glu Asn Gln Gln Phe Pro Asp Asn Glu
      450      455      460
Ser Glu Glu Tyr His Arg Ile Cys Glu Leu Val Ser Asp Tyr Lys Glu
      465      470      475      480
Lys Gln Met Pro Lys Tyr Ser Ser Glu Asn Ser Asn Pro Glu Gln Asp
      485      490      495
Leu Lys Leu Thr Ser Glu Glu Glu Ser Gln Arg Leu Glu Gly Ser Glu
      500      505      510
Asn Gly Gln Pro Glu Leu Glu Asn Phe Met Ala Ile Glu Glu Met Lys
      515      520      525
Lys His Gly Ser Thr His Val Gly Phe Pro Glu Asn Leu Thr Asn Gly
      530      535      540
Ala Thr Ala Gly Asn Gly Asp Asp Gly Leu Ile Pro Pro Arg Lys Ser
      545      550      555      560
Arg Thr Pro Glu Ser Gln Gln Phe Pro Asp Thr Glu Asn Glu Gln Tyr
      565      570      575
His Ser Asp Glu Gln Asn Asp Thr Gln Lys Gln Phe Cys Glu Gln Gln
      580      585      590
Asn Thr Gly Ile Leu His Asp Glu Ile Leu Ile His Glu Glu Lys Gln
      595      600      605
Ile Glu Val Val Glu Lys Met Asn Ser Glu Leu Ser Leu Ser Cys Lys
      610      615      620
Lys Glu Lys Asp Ile Leu His Glu Asn Ser Thr Leu Arg Glu Glu Ile
      625      630      635      640
Ala Met Leu Arg Leu Glu Leu Asp Thr Met Lys His Gln Ser Glu Leu
      645      650      655

```

```

<210> 380
<211> 671
<212> PRT
<213> Homo sapien

```

```

<400> 380
Met Val Val Glu Val Asp Ser Met Pro Ala Ala Ser Ser Val Lys Lys
1      5      10      15
Pro Phe Gly Leu Arg Ser Lys Met Gly Lys Trp Cys Cys Arg Cys Phe
20      25      30
Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp
35      40      45
His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys Met Gly Lys Trp
50      55      60
Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val
65      70      75      80
Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Asn
85      90      95
Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser
100      105      110
Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe
115      120      125

```

Met	Glu	Pro	Arg	Tyr	His	Val	Arg	Gly	Glu	Asp	Leu	Asp	Lys	Leu	His
130						135					140				
Arg	Ala	Ala	Trp	Trp	Gly	Lys	Val	Pro	Arg	Lys	Asp	Leu	Ile	Val	Met
145					150					155					160
Leu	Arg	Asp	Thr	Asp	Val	Asn	Lys	Lys	Asp	Lys	Gln	Lys	Arg	Thr	Ala
			165						170						175
Leu	His	Leu	Ala	Ser	Ala	Asn	Gly	Asn	Ser	Glu	Val	Val	Lys	Leu	Leu
			180						185					190	
Leu	Asp	Arg	Arg	Cys	Gln	Leu	Asn	Val	Leu	Asp	Asn	Lys	Lys	Arg	Thr
	195						200					205			
Ala	Leu	Ile	Lys	Ala	Val	Gln	Cys	Gln	Glu	Asp	Glu	Cys	Ala	Leu	Met
210						215					220				
Leu	Leu	Glu	His	Gly	Thr	Asp	Pro	Asn	Ile	Pro	Asp	Glu	Tyr	Gly	Asn
225					230						235				240
Thr	Thr	Leu	His	Tyr	Ala	Ile	Tyr	Asn	Glu	Asp	Lys	Leu	Met	Ala	Lys
			245						250						255
Ala	Leu	Leu	Leu	Tyr	Gly	Ala	Asp	Ile	Glu	Ser	Lys	Asn	Lys	His	Gly
			260						265						270
Leu	Thr	Pro	Leu	Leu	Leu	Gly	Val	His	Glu	Gln	Lys	Gln	Gln	Val	Val
			275				280					285			
Lys	Phe	Leu	Ile	Lys	Lys	Lys	Ala	Asn	Leu	Asn	Ala	Leu	Asp	Arg	Tyr
290						295					300				
Gly	Arg	Thr	Ala	Leu	Ile	Leu	Ala	Val	Cys	Cys	Gly	Ser	Ala	Ser	Ile
305					310					315					320
Val	Ser	Leu	Leu	Leu	Glu	Gln	Asn	Ile	Asp	Val	Ser	Ser	Gln	Asp	Leu
			325						330						335
Ser	Gly	Gln	Thr	Ala	Arg	Glu	Tyr	Ala	Val	Ser	Ser	His	His	His	Val
			340					345					350		
Ile	Cys	Gln	Leu	Leu	Ser	Asp	Tyr	Lys	Glu	Lys	Gln	Met	Leu	Lys	Ile
	355					360						365			
Ser	Ser	Glu	Asn	Ser	Asn	Pro	Gln	Gln	Asp	Leu	Lys	Leu	Thr	Ser	Glu
	370					375					380				
Glu	Gln	Ser	Gln	Arg	Phe	Lys	Gly	Ser	Glu	Asn	Ser	Gln	Pro	Glu	Lys
385					390					395					400
Met	Ser	Gln	Glu	Pro	Gln	Ile	Asn	Lys	Asp	Gly	Asp	Arg	Glu	Val	Glu
			405						410						415
Gln	Glu	Met	Lys	Lys	His	Glu	Ser	Asn	Asn	Val	Gly	Leu	Leu	Glu	Asn
		420						425						430	
Leu	Thr	Asn	Gly	Val	Thr	Ala	Gly	Asn	Gly	Asp	Asn	Gly	Leu	Ile	Pro
	435					440						445			
Gln	Arg	Lys	Ser	Arg	Thr	Pro	Glu	Asn	Gln	Gln	Phe	Pro	Asp	Asn	Gln
	450					455					460				
Ser	Glu	Glu	Tyr	His	Arg	Ile	Cys	Glu	Leu	Val	Ser	Asp	Tyr	Lys	Glu
465					470					475					480
Lys	Gln	Met	Pro	Lys	Tyr	Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Gln	Asp
		485							490						495
Leu	Lys	Leu	Thr	Ser	Gln	Gln	Glu	Ser	Gln	Arg	Leu	Glu	Gly	Ser	Glu
		500						505					510		
Asn	Gly	Gln	Pro	Glu	Lys	Arg	Ser	Gln	Glu	Pro	Glu	Ile	Asn	Lys	Asp
	515						520					525			
Gly	Asp	Arg	Glu	Leu	Glu	Asn	Phe	Met	Ala	Ile	Gln	Gln	Met	Lys	Lys
530						535					540				
His	Gly	Ser	Thr	His	Val	Gly	Phe	Pro	Glu	Asn	Leu	Thr	Asn	Gly	Ala
545					550					555					560
Thr	Ala	Gly	Asn	Gly	Asp	Asp	Gly	Leu	Ile	Pro	Pro	Arg	Lys	Ser	Arg
			565						570						575
Thr	Pro	Glu	Ser	Gln	Gln	Phe	Pro	Asp	Thr	Glu	Asn	Gln	Glu	Tyr	His
			580						585						590

132

Ser Asp Glu Gln Asn Asp Thr Gln Lys Gln Phe Cys Glu Glu Gln Asn
 595 600 605
 Thr Gly Ile Leu His Asp Glu Ile Leu Ile His Glu Glu Lys Gln Ile
 610 615 620
 Glu Val Val Glu Lys Met Asn Ser Glu Leu Ser Leu Ser Cys Lys Lys
 625 630 635 640
 Glu Lys Asp Ile Leu His Glu Asn Ser Thr Leu Arg Glu Glu Ile Ala
 645 650 655
 Met Leu Arg Leu Glu Leu Asp Thr Met Lys His Gln Ser Gln Leu
 660 665 670

<210> 381
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 381
 ggagaagcgt ctgctggggc aggaaggggt ttccctgccc tctcaccctgt ccttcaccaa 60
 ggtaacatgc ttcccttaag ggtatcccaa cccagggggc tcaaccatgac ctctgagggg 120
 ccaatatccc aggaagaaga ttggggaggt gggggcaggt gaaggaccca ggatcacacac 180
 atcctggggc tccaaggcag aggaaggggt cctcaagaag gtcaggagga aaatccgtaa 240
 caagcagtea g 251

<210> 382
 <211> 3279
 <212> DNA
 <213> Homo sapiens

<400> 382
 ctctctgacag cccccatgct ggtgaggggc acgggcagga acagtggacc caacatggaa 60
 atgctggagg gtgtcaggaa gtgatcgggc tctggggcag ggaggagggg tggggaggtgt 120
 cactggggag ggacatcctg cagaaggtag gagttagcaa acacccctg cagggcgagg 180
 gagagccctg cggcactggt gggagcagag ggagcagcac ctgccaggc ctggggaggag 240
 gggcctggag ggcgtgagga ggagcgaggg ggcctgcatg ctggagtgag ggatcagggg 300
 cagggcgaga gatggcctca cacagggag agagggcccc tctgacagg cctcaccctg 360
 gacacaggag gacactgctt ttctctgag gagttaggag ctgtggatgg tgctggacag 420
 aagagggaca gggcttggct cagggtgtca ggggtgtg ctgggttccc ttgtggatca 480
 gactgacagg agggagggcg gcagggttgt ggggggagtg acgatgagga tgacctgggg 540
 gtggctccag gccctgcccc tgcctggggc ctccaccagg ctccctcaca gtctcctggc 600
 cctcagtcct tccctccac tccatcctcc atctggcctc agtgggtcat tctgatcact 660
 gaactgacca taccagccc tgcctcaggg cctccatggc tccccaatgc cctggagagg 720
 ggacatctag tcagagagta gtctgagga ggtggcctct gcgatgtgcc tgtgggggca 780
 gcatcctgca gatggctccc gccctcctcc tgcctgacct tctgacagga ctgtcctcct 840
 ggaacttgcc ccttctgacg gactgggacc ctgaagtcac ctcccatag gccaaagactg 900
 gagccttgtt cctctctgtg gactcctgac ccatattctt gtgggagtggt gttctggaga 960
 catlctctgt tgttctgag agctgggaat tgctctcagt catctgcttg cgggttctg 1020
 agagatggag ttgcttaggc agttattggg gccaatcttt ctactgtgt ctctcctcct 1080
 taccctttag ggtgattctg ggggtccact tgtctgtaat ggtgtgtctt aaggtatcac 1140
 atcatggggc cctgagccat gtgcctgccc tgaaaagcct gctgtgtaca ccaaggttgt 1200
 gcattacagg aagtggatca aggcacccat cgcagccaac cctgagtgcc cctgtcccca 1260
 cccctacctc tagtaaatct aagtcacact caagtcttg catcacttg cctttctgga 1320
 tgctggacac ctgaagcttg gaactcactt ggcggaggt cgggctcct gagtctact 1380
 gccctgtgct ttctgtgtgt gactccagg ctgctaggaa aaggaatggg cagacacagg 1440
 tgtatgcaaa tgtttctgaa atgggtataa ttctgtctc tcttcggaa cactggctgt 1500
 ctctgaagac ttctgctca gtttcagtga ggacacacac aaagacgtgg gtgacctagt 1560
 tgtttgtggg gtccagagat gggaggggtg gggcccaccc tggagagtg gacagtga 1620
 caaggtggac actctctaca gatcactgag gataagctgg agccacaatg catgaggtac 1680
 acacacagca aggttgacgc tgaatacata gccacagctg tctggggggc actgggaagg 1740

133

```

ctagataagg ccgtgagcag aaagaagggg aggetectec tatgttgttg aaggaggggac 1800
tagggggaga aactgaagc tgattasita caggagggtt gticagggtcc cccaaaccac 1860
cgtcagattt gatgatttcc tagcaggact tacagaaata aagagctatc atgctgtggt 1920
ttattatggt ttgttacatt gataggatag atactgaact cagcaaacca aacagatgta 1980
tagattlagag tgtggagaaa acagaggaaa acttgacgtt acgaagactg gcaacttggc 2040
tttactaagt tttcagactg gcagggaagtc aaacctatta ggctgaggac cttgtggagt 2100
gtagctgac cagctgatag aggaactagc caggtggggg cctttccctt tggatggggg 2160
gcattatcga cagttattct ctccaagtgg agacttaagg acagcatata attctccctg 2220
caaggatgta tgataatatg tacaagttaa ttccaactga ggaagctcac ctgctcctta 2280
gtgtccaggg tttttactgg ggggtctgtg gacgagtatg gagtacttga ataattgacc 2340
tgaagtccct agacctgagg ttcccttagag ttcaaacaga tacagcatgg tccagagtcc 2400
cagatgtaca aaacacggga ttcatcacaa atcccatctt tagcatgaag ggtctggcat 2460
ggcccaagga cccaagtata tcaaggcact tgggcagaaac atgccaaagg atcaaatgtc 2520
atctccaggg agttattcaa ggggtgagccc tttacttggg atgtacaggg tttgagcagt 2580
gcagggtctg tgaatcaacc ttttattgta caggggatga gggaaagggg gaggatgagg 2640
aagccccctt ggggatttgg tttggtcttg tgatcaggtg gtctatgggg ctatccctac 2700
aaagaagcat ccagaaatag gggcacattg aggaatgata ctgagcccaa agagcattca 2760
atcattgttt tattttgctt cttttcacac cattggtgag ggaggggatta ccaccttggg 2820
gtttatgaag tggttgaaca cccacacacat agcacccggg atatgagatc aacagtttct 2880
tagcctatga gattcacaga ccagagcagg aggacgctgc acaccatgca ggaatgacatg 2940
ggggatgcgc tggggattgg tgtgaagaag caaggactgt tagaggcagg ctttatagta 3000
acaagacggg ggggcaact ctgatttccg tgggggaatg tcatggtctt gctttactaa 3060
gttttgagac tggcaggtag tgaactcat taggctgaga accttgigga atgcagctga 3120
cccagctgat agaggaagta gccaggtggg agcctttccc agtgggtgtg ggaatatact 3180
ggcaagattt tgtggcactc ctggttacag atactggggc agcaaataaa actgaatctt 3240
gttttcagac cttaaaaaaa aaaaaaanaa aaagtttt 3279

```

<210> 383

<211> 154

<212> PRT

<213> Homo sapiens

<400> 383

```

Met Ala Gly Val Arg Asp Gln Gly Gln Gly Ala Arg Trp Pro His Thr
      5              10              15
Gly Lys Arg Gly Pro Leu Leu Gln Gly Leu Thr Trp Ala Thr Gly Gly
      20              25              30
His Cys Phe Ser Ser Gln Gln Ser Gly Ala Val Asp Gly Ala Gly Gln
      35              40              45
Lys Lys Asp Arg Ala Trp Leu Arg Cys Pro Gln Ala Val Ala Gly Phe
      50              55              60
Pro Leu Gly Ser Asp Cys Arg Gln Gly Gly Arg Gln Gly Cys Gly Gly
      65              70              75              80
Ser Asp Asp Glu Asp Asp Leu Gly Val Ala Pro Gly Leu Ala Pro Ala
      85              90              95
Trp Ala Leu Thr Gln Pro Pro Ser Gln Ser Pro Gly Pro Gln Ser Leu
      100             105             110
Pro Ser Thr Pro Ser Ser Ile Trp Pro Gln Trp Val Ile Leu Ile Thr
      115             120             125
Glu Leu Thr Ile Pro Ser Pro Ala His Gly Pro Pro Trp Leu Pro Asn
      130             135             140
Ala Leu Glu Arg Gly His Leu Val Arg Glu
145              150

```

<210> 384

<211> 557

<212> DNA

<213> Homo sapiens

<400> 384

```

ggatcctcta gaggggcgc ctactactac taaattcgcg gcgcgctcga cgaagaagag 60
aaagatgtgt ttgtttttgg actctatgtg gtcccttcca atgctgtggg ttccaacca 120
ggggaaggtt cctttttgca ttgccagtg ccataacct gagcactact ctaccatgg 180
tctgcctect ggccaagcag gctggtttgc aagaatgaaa tgaatgattc tacagctagg 240
acttaacctt gaaatggaaa gtcttgcaat cccatttgcg ggatccgtct gtgcacatgc 300
ctctgtagag agcagcattc ccagggacct tggaaacagt tggcactgta aggtgcttgc 360
tccccaagac acatcctaaa aggtgttcta atggtgaaaa cgtcttctt cttkattgac 420
ccttcttatt tatgtgaaca actgtttgtc tttttttgta tcttttttaa actgtaaagt 480
tcaattgtga aaatgaatat catgcasata aattatgcga ttttttttcc aaagtaaaaa 540
aaaaaaaaaa aaaaaaa 557

```

<210> 385

<211> 337

<212> DNA

<213> Homo sapiens

<400> 385

```

ttcccagggtg atgtgcgagg gaagacacat ttactatcct tgatggggct gattccttta 60
gtttctctag cagcagatgg gttaggagga agtgacccaa gtggttgact cctatgtgca 120
tctcaaaagcc atctgctgtc ttgagtaacg gacacatcat cactccttgc ttgttgatca 180
aaactgtggg gtgtttttcc tcagctaaga agccttagc aaaaagctcga atagacttag 240
tatcagacag gtccagtttc cgcaccaaca cctgctggtt cctgtctgtg gtctggatct 300
ctttggccac caattccccc ttttcccat cccggca 337

```

<210> 386

<211> 300

<212> DNA

<213> Homo sapiens

<400> 386

```

gggcccagta cgggcccagg ccccgctcgc caggtcctcc tcccggggtg cctgcgccga 60
ggccgctcgg ccagagaggt gggcgcgggg ctgcctctac cgggtggggg ctgtaactca 120
ggacacttgg ccgaaggtct ctagcaagga cccaccgacc ccagccggcg cggcgggggc 180
gggacttttg cccggtgtgt gggcgcgagc ggactgcgtg tccggggagc ggcagcgaag 240
atgttagcct tcgtgccag gacgtggac cgateccagg gctgtggtgt aacctcagcc 300

```

<210> 387

<211> 537

<212> DNA

<213> Homo sapiens

<400> 387

```

gggcccagtc gggcaccag ggactctttg caggcttctt tctcgggato atcaaggctg 60
ccccctctg tgcctcatg atcagcact atgagttcgg caaaagcttc ttccagagcc 120
tgaaccagga cggcttctg ggcggtgaa aggggcaagg aggaaggac cccgtctctc 180
ccacggatgg ggaaggggca ggaaggagcc cagccaagt ccttttcttc agcactgagg 240
gagggggctt gtttcccttc cctccggcg acaagctcca gggcagggtt gtcctcttgg 300
gcggcccagc acttctcag acacaacttc ttctgtgtc tccagtctg gggatcatca 360
cttaccaccc cccaaagttc aagaccaaat ctccagctg ccccttctgt gtttccctgt 420
gtttgctgta gctgggcag tctccaggaa ccaagaagcc ctacgcttg ttagtctcc 480
ctgacccctt ttaattcctt aagtctaaag atgatgaact tcaaaaaaaa aaaaaaa 537

```

<210> 388

<211> 520

<212> DNA

<213> Homo sapiens

135

```

<400> 388
aggataattt ttaaaccast caaatgaaa aaacaaacaa acaaaaagg aatgtcatg 60
tgaggttaaa caagtttga ttooctaat gtggaaaag taagaggact actcagcact 120
glttgaagat tgootttct acagcttctg agaatttgt tatttcactt gccagtgaa 180
ggacccctc cccaacatgc cccagccac ccctaagcat ggcccttgt caccaggcaa 240
ccaggaaact gctacttgtg gacctacca gagaccagga gggtttggtt agctcacagg 300
acttccccca cccagaaga ttageatccc atactagact cactctaac tcaactagga 360
tcatactcaa ttgatggta ttgacsaat ccatttcttt ctggttatta taacagaaa 420
atctttcttc ttctcattac cagtaagggc tcttggtatc ttctgttggt aatgatttct 480
atgaacttgt ctatttttaa tggtagggtt tttttctggt 520

```

```

<210> 389
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<400> 389
cgttgcccc gtttgacaga aggsaaggcy gagcttattc aaagtctaga gggagtggag 60
gagttaagge tggatttcag atctgectgg ttccagccgc agtgtgccct ctgctccccc 120
aacgacttcc caataatct caccagcgcc ttccagctca ggcgtctag aagcgtcttg 180
aagcctatgg ccagctgtct ttgtgttccc tctcaccgc ctgtcctcac agctgagact 240
cccaggaaac cttcagacta ccttctcttg ccttcagcaa ggggcyttgc ccacattctc 300
tgagggtcag tggaaagacc tagactccca ttgctagagg tagaaaggg aaggggtgctg 360
gggag 365

```

```

<210> 390
<211> 221
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(221)
<223> n = A,T,C or G

```

```

<400> 390
tgcctctcca tcttgcccc gacttctctg tcaggaaagt ggggatggac cccctctgca 60
tacacggntt ctcatgggtg tggaaacatct ctgcttgagg ttccaggaaag gctcttggtt 120
gctctangag tctgancnga ntctgtgccc cantntgaca naaggaaagg cggagcttat 180
tcaaaagtota gaggggagtgg aggagttaa gctggatttc a 221

```

```

<210> 391
<211> 325
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(325)
<223> n = A,T,C or G

```

```

<400> 391
tggagcaggt cccgaggcct ccttagagcc tggggccgac tctgtgnaga tgcangcttt 60
ctctcgcgcc cagcctggag ctgctcctgg catctacca caatcagnag aggcagacag 120
tagccagggc actgctgcca acagccagtc cnaataccat catgtnaccc ggtgngctct 180
naantngat ntccanagcc ctacccatca tagttctgct ctcccacagg ntaccagccc 240
cactgcccag gaactctaca gccagtaacc tgtcccgacg tctctacctt ccagtacgat 300

```

136

gagacctccg gctactacta tgacc

325

<210> 392

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(277)

<223> n = A,T,C or G

<400> 392

```

atattgttta actccttctt ttatatcttt taacattttc atggnagaag gtccacatct 60
agtctcactt nggcnagnn ctcctacttg agtctcttcc ccggcctgnn ccagtngnaa 120
antaccanga accgncatgn ctttaanaacn ccctgggttn tgggttnttc aatgaactga 180
tgcagtgcac caccctgtcc actacgtgat gctgtaggat taaagtctca cagtgggcgg 240
ctgaggatac agcgcgcgt cctgtgttgc tggggaa 277

```

<210> 393

<211> 566

<212> DNA

<213> Homo sapiens

<400> 393

```

actagtcag tgtgttgaa ttgcggcgcg cgtgcacgga caggtcagct gtctggctca 60
gtgatctaca ttctgaagtt gtctgaaat gtcttcctga ttaattccag cctaaacgtt 120
ttgcgggaa cactgcagag acaatgtgtt ggtttccaa ccttagcccc tctgcgggca 180
gagaaggctt agtttgtcca tcagcattat catgatctca ggactggtta ctgtgttaag 240
gaggggtcta ggagatctgt cctttttaga gacaccttac ttataatgaa gtatttggga 300
gggtgtttt caaasgtaga aatgtcctgt attcagatga tcatcctgta aacattttat 360
catttattaa tcatccctgc ctgtgtctat tatttatatt atctctctac gctggaaact 420
ttctgacctc atgtttactg tgcctttgtt ttgtctagtt tgtgttgttg aaaaaaaaaa 480
cattatctgc ctgagtttta atttttgtcc aaagttattt taatctatac aattaaaaagc 540
ttttgcctat caaaaaaaaa aaaaaa 566

```

<210> 394

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(384)

<223> n = A,T,C or G

<400> 394

```

gaacatacat gtcccggtac ctgagctgca gtctgacatc atogecatca cgggcctcgc 60
tgcgaattng gaccgggcca aggcctggact gctggagcgt gtgaaggaga tacaggccna 120
gcaggaggac cgggctttta ggagttttta gctgagtgct actgtagacc ccaataacca 180
tccaagatt atcgggagaa agggggcagt aattacccaa atcgggttgg agcatgacgt 240
gaacatccag ttctctgata aggacgatgg gaaccagccc caggcccaaa ttaccatcac 300
agggctccga aagaacacag aagctgccag ggatgctata ctgagaattg tgggtgaact 360
tgagcagatg gttcttgagg acgt 384

```

<210> 395

<211> 399

<212> DNA

137

<213> Homo sapiens

<400> 395

```

ggcaaaactg tgtgacctca ataagacctc gcagatccaa ggtcaagtat cagaagtga 60
tctgaccttg gactccaaga cctacatcaa cagcctgggt atattagatg atgagccagt 120
tatcagaygt ttcatcattg cggaaattgt ggagtctaa gaaatcatgg cctctgaagt 180
attcacgtct tlocagtacc ctgagttctc tatagagttg cctaacacag gcagaattgg 240
ccagctactt gtctgcaatt gtatcttcaa gaataccctg gccatccctt tgactgaagt 300
caagttctct ttggaaagcc tgggcctctc ctcaactacg acctctgacc atgggaaggt 360
gcagcctggg gagaccatcc aatcccaaat aaatgcar 395

```

<210> 396

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(403)

<223> n = A,T,C or G

<400> 396

```

tggagttctc agtgcataca agccataaag ctccagtagc aaattactgt ctacagaaa 60
gacattttca acttctgctc cagctgctga taaaacaaat catgtgttta gcttgactcc 120
agacaaggac aacctgttcc ttcataactc tctagagaaa aaaggaggtt gttagtagat 180
actaaaaaaa gtggatgaat aatctggata ttttccctaa aaagattcct tgaacacat 240
taggaaaatg gagggcctta tgatcagaat gctagaatta gtccattgtg ctgaagcagg 300
gttttagggg gggagtgagg gataaaaga ggaanaaag sagagtgaga aaacctattt 360
atcaagcag gtgctatcac tcaatgttag gccctgctct ttt 403

```

<210> 397

<211> 100

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(100)

<223> n = A,T,C or G

<400> 397

```

actagtcag tgtggtggaa ttgcggcccg cgtcgaccta naanccatct ctatagcaaa 60
tccatccccc ctcttggttg gtnacagaat gactgacaaa 100

```

<210> 398

<211> 278

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(278)

<223> n = A,T,C or G

<400> 398

```

ggggccgct cagacagagt ttgcacagcg ctgcgccctg ggtggggatg tgctgcacgc 60
ccacttgag atctggaagt cagcgccctg gatgaaagag cggacttcaa ctggggcgat 120
tcactactgt gctcgacca gtgaggagag ctggacogac agcgaggtgg actcatcatg 180

```

138

ctcggggag cccatccacc tgtggcagtt cctcaaggag ttgctactca agccccacag 240
 statggcgc ttcattangt ggtcaacaa ggagaagg 276

<210> 399
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(298)
 <223> n = A,T,C or G

<400> 399
 acggaggtag aggaagcgc cctgggtag anaggatggg tctgncatt gacnccctn 60
 ggggtgcng catggagcgc atgggcgcg gcctgggcca cggcatggat cgggtgggct 120
 ccgagatcga ggcgatggg ctggtcatgg accgatggg ctccgtggag cgeatgggct 180
 ccggcattga ggcgatggg ccgctgggccc tegaccacat ggcctccanc attganccga 240
 tgggcagac catggagcgc attggctctg gcgtggagcn catgggtgccc ggeatggg 298

<210> 400
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 400
 acatcaacta cttctcatt ttaaggtag gcagttccct tcateccett ttcctgcctt 60
 gtacatgtac atgtatgaaa ttctctctc ttacccaact ctctccacac atcacaaggt 120
 caaagaacca cagcttaga aggttagag ggcacctat gaattgaat ggtgatttct 180
 tgagtctctt tttccacgt ttaaggggccc atggcaggac ttagagttgc gatttaagac 240
 tgcagagggc tagagaatta ttccatacag gctttgaggc caoccatgtc acttatcccg 300
 tataccctct caccatcccc ttgtctactc tgatgcccc aagatgcacc tgggcageta 360
 gttggcccca taattctggg cttttgttgt ttgttttaac tacttgggca tcccaggaag 420
 cttccagtg atctctacc atgggcccc ctcctgggat caagccctc ccaggccctg 480
 tcccagccc ctcctgccc agcccacccc cttgcttgg tctcagccc tcccattggg 540
 agcaggtt 548

<210> 401
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(355)
 <223> n = A,T,C or G

<400> 401
 actgtttcca tgttatgttt ctacacattg ctacctcagt gctcctggaa acttagcttt 60
 tgatgtctcc aagtagtcca ctttcattta actctttgaa actgtatcat ctttgccaa 120
 taagagtggg ggcctatttc agctgctttg acaaatgac tggctcctga cttaacgttc 180
 tataaatgaa tctctggaag caaagtgcgc atggtggcgg cgaagaaan aaagatgtgt 240
 ttgttttgg actctctgtg gtcccttcca atgtgnggg ttcccaacca ggggaaggg 300
 cccttttgc tggccaagt ccataacct gagcactact ctaccatggn tctgc 355

<210> 402
 <211> 407
 <212> DNA

139

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(407)

<223> n = A,T,C or G

<400> 402

```

atggggcag ctggataaag aaocaaagacc cactggagta tgcgtgtcttc aagaaaccca 60
tctcacatgc ggtggcatag ataggctcaa aataaaggaa tggagaaaaa tatttcaagc 120
aaatgaaaaa cggaaaaaag cagggtgttc actcctcctt ttgacaaaaa cagactatgc 180
gaataaagat aaaaaagaga agaacattac aaagggtgtc ctgacctttg ataatctca 240
ttgcttgata ccaacctggg ctgttttaat tgcacaaacc aaaaggataa tttgctgagg 300
ttgtggagct tctccctgc agagagtcct tgatctccca aaatttggtt gagatgtaag 360
gntgattttg ctgacaactc cttttctgaa gttttactca ttccaa 407

```

<210> 403

<211> 303

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(303)

<223> n = A,T,C or G

<400> 403

```

cagtatattat agccnaactg aaaagctagt agcaggcag tctcaaatcc aggcaccaas 60
tcttaagcaa gagcctatgg atggtgaaaa tgcacaaagg gagtctggcc aatctacaaa 120
tagagaacaa gacctactca gtcatgaaca aaaaggcaga ccccaactg gatctcatgg 180
gggattggat attgtaatta tagagcagga agatgacagt gatcgtcatt tggcacaaca 240
tcttaacaaac gaccgaaccc cattatttac ataaacctcc attcgttacc catgttgaaa 300
gga 303

```

<210> 404

<211> 225

<212> DNA

<213> Homo sapiens

<400> 404

```

aagtgttaact tttaaaaakt tagtggattt tgaaaattct tagaggnaag taaaggaaaa 60
attgttaatg cactcattta cttttacatg gtgaasgttc tctcttgatc ctacaaacag 120
acattttcca ctctgtgttc catagtgttt aagtgtatca gatgtgttgg gcatgtgaat 180
ctccaagtgc ctgtgttaata aataaagtat ctttatttca ttcac 225

```

<210> 405

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(334)

<223> n = A,T,C or G

<400> 405

```

gagctgttat actgtgagtt ctactaggaa atcatcaaat ctgagggttg totggaggaa 60
ttcaataaac ctcccccat agtgaatcag ctccagggg gtccagtccc tctccttact 120

```


140

```

tcatecccat cccatgccaa aggaagaccc tccctccttg gctcacagcc ttctctagge 180
ttccagtgcc ctccaggaca gagtgggtta tgttttcage tccatccttg ctgtgagtgt 240
ctggtggggt tgtgctcca gcttctgctc agtgcttcat ggcagtgct cagcccatgt 300
cactctccac tctctcang tggatccac cctt 334

```

```

<210> 406
<211> 216
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

```

```

<400> 406
tttcatacct aatgagggag ttganatnac atnnaaccag gaaatgcatg gatctcaang 60
gaacacacaa cccaataaac tgggagtggc agactgacaa ctgtgagaca tgcacttget 120
acnaaacaca aatttnatgt tgcacccttg tttctacacc tgtgggttat gacaaagaca 180
actgcacaaag aatnttcaag aaggaggact gccant 216

```

```

<210> 407
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<400> 407
gttgacttgc tagtatcctc tgcattcatt gaagcacaaag aacttcacgc cttgactcat 60
gtaaatgcaa taggattaaa aaatsaatit gatatacat ggaaacagac aaaaaatatt 120
gtacaacatt gacccagtg tccagattcta caactggcca ctcaggaaagc aagagttaat 180
cccagaggtc tatgtcttaa tgtgttatgg caastggatg tcatgcacgt accttcattt 240
ggaaaattgt catttgctca tgtgacagtt gatacttatt cacatttcat atgggcaccc 300
tgcagacag gagaaagtct tccatgttta aaagacattt attatcttgt tttcctgtca 360
tgggagttcc agaaaaagtt aaacacagaca atgggcacag ttctgtagta aag 413

```

```

<210> 408
<211> 183
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(183)
<223> n = A,T,C or G

```

```

<400> 408
ggagctngcc ctcaattcct ccattctctat gttancatat ttaatgtott ttgnatttaa 60
tacttaacta gtaaatcctt aaagggctaa ntactcctta actagtcctt cacttgtagg 120
cattatcctt ccagtattcn ccttctnttt taattactcc ttcctggcta cccatgtact 180
att 183

```

```

<210> 409
<211> 250
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

141

<222> (1)...(250)

<223> n = A,T,C or G

<400> 409

```

cccacgcacg ataagctctt tatttctgta agtctctgta ggaaatcctc aaatctgaag 60
gtgggtttggg ggacctgaac aaacctctctg taattaatca gctttcagtt tctcccccta 120
gtccctctctt caacacacata ggaggatcct ccccttcttt ctgctcacgg ccttatctag 180
gcttcccaggt gccccagga cagcgtgggc tatgtttaca gcgctcctt gctggggggg 240
ggcctatgc                                     250

```

<210> 410

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(306)

<223> n = A,T,C or G

<400> 410

```

ggctgggtttg caagaatgaa atgaatgatt ctacagctag gacttaacct tgaastggaa 60
agtcttgcaa tcccatttgc aggtacgctc tgtgcacatg cctctgtaga gagcagcatt 120
cccagggacc ttggaacacg ttggcactgt aaggtgcttg ctccccaaag cacatcttaa 180
aaggtgttgt aatggtgaaa accgcttctt tctttattgc ccttcttat ttatgtgaac 240
nactggttgg ctttttttgn atctttttta aactggaaag ttcaattgng aaatgaata 300
tentgc                                     306

```

<210> 411

<211> 261

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(261)

<223> n = A,T,C or G

<400> 411

```

agagtatctn cttaggtnaa agttcataga gtcccatga actatatgac tggcacacaa 60
ggatcttttg tatttaagga ttctgagatt ttgcttgagc aggattagat aaggtgttgc 120
tttaaatgtc tgaaatggaa cagatttcaa aaaaaaaccc cacaatctag ggtgggaaca 180
aggaaaggaaa gatgtgaata ggctgatggg caaaaaccca atttaccat cagttccagc 240
cttctctcaa ggnagggcaa s                                     261

```

<210> 412

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 412

```

gttcaatggt acctgacatt tctacaacac cccactcaac gatgtattcg ttgccagtg 60
ggacatatac agcctgaatt tggaaaaaat aattgtgttt ctgcccagg aaatactacg 120

```

142

```

actgactttg atggetccac aaacataacc cegtgtasaa acagaagatg tggaggggag 180
ctgggagatt tcaactggga cattgaattc ccaactacc cangcaatta ccagccaac 240
a                                         241

```

```

<210> 413
<211> 231
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(231)
<223> n = A,T,C or G

```

```

<400> 413
aactcttaca atccaagtga ctcatctgtg tgcctgaate ctttccactg tctcatctcc 60
ctcatccaag tttctagtac cttctctttg ttgtgaagga taatcaaacg gaacaacaaa 120
aagtttaact tctcatcttg gaacctaaaa actctcttct tcttgggtct gagggtctcc 180
agaatccttg aatcanttct cagatcattg gggacaccan atcaggaacc t      231

```

```

<210> 414
<211> 234
<212> DNA
<213> Homo sapiens

```

```

<400> 414
actgtccatg aagcaactgag cagaagctgg aggcacaaag caccagacac tcacagcaag 60
gatggagctg aaacataaac ccactctgtc ctggaggcac tgggaagcct agagaaggct 120
gtgagccaag gaggagggtt ctcccttttg catgggatgg ggatgaagta aggagagggg 180
ctggaccccc tggaaactga ttactatgg ggggaggtgt attgaagtcc tcca      234

```

```

<210> 415
<211> 217
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(217)
<223> n = A,T,C or G

```

```

<400> 415
gcateggatt aagactgagt atcttttcta cattctttta actttctaa gggcaettct 60
caaacacacg accaggtagc aaatctccac tgctctaagg ntctacccac cactttctca 120
caccatagca tagtagaatt cagtctact tctgaggcca gaagaatggt tcagaaaaat 180
antggattat aaaaaataac aattaagaaa aataatc      217

```

```

<210> 416
<211> 213
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(213)
<223> n = A,T,C or G

```

```

<400> 416

```

143

```

atgcataatnt aaagganact ggcctgcttt tagaagacat ctggnetgtt ctctgcata 60
ggcacagcag taagctctt tgattccag aatcaagaac tctcccttc agactattac 120
cgaatgcaag gtggttaatt gaaggccact aattgatgtt caaatagaag gatattgact 180
atattggaac agatggagtc tctactacaa aag 213

```

```

<210> 417
<211> 303
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(303)
<223> n = A,T,C or G

```

```

<400> 417
nagttcttcag gccatccagg gaagttcaca ctggagagaa gtcatacata tgtactgtat 60
gtgggaaagg ettiactctg agttcaatc ttcaagccca tcagagagtc cacactggag 120
agaagccata caaatgcaat gagtgtggga agagcttcag gagggattcc cattatcaag 180
ttcatctagt ggtccacaca ggagagaaac cctataaatg tgagatatgt gggaagggct 240
tcantcaaaq ttogtatctt caaatccatc ngaaggacca cagtatanan aaacctttta 300
agt 303

```

```

<210> 418
<211> 328
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

```

```

<400> 418
tttttgccgg tggtegggca gggaggggac angagtctca ctctgttgcc caggctggag 60
tgcacaggca tgatctcgcc tccctacaa cctgctctcc catgtccag cgattcttgt 120
gcctcagcct tccctgtagc tagaattaca ggcacatgcc accacaccca gctagttttt 180
gtatttttag tagagacagg gtttcaccat gttggccagg ctggtctcaa actcctnacc 240
tcaggggtca ggtctgtctc aaactcctga cctcaagtga tctgccacc tcagcctccc 300
aaagtgcctan gattacagge cgtgagcc 328

```

```

<210> 419
<211> 389
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(389)
<223> n = A,T,C or G

```

```

<400> 419
cctctctcaag acggcctgtg gtcggctctc cggcaaccaa gaagcctgca gtgccatata 60
acccttgagc catggactgg agcctgaag gcagcgtaca cctgctcct gatcttgttg 120
cttgcttctc ctctgtggct ccattcatag cacagttgtt gcactgagcc ttgtgcagcc 180
cgagcaaggg caagctggct caaagagcaa ccagtcacac ctgccacggg gtgccaggca 240
ccggttctcc agccacccac ctcactcgct cccgcaaatg gccatcagt tcttctaccc 300
taaaggtagg accaaagggc atctgctttt ctgaagtctt ctgctctatc agccatcacg 360

```

144

tggcagccac tcnngctgtg tgcagcggg

389

<210> 420

<211> 408

<212> DNA

<213> Homo sapiens

<400> 420

```

gttctctcta actctctgcca gaaacagctc tctcaaacat gagagctgca cccctctctc 60
tggccagggc agcaagcctt agccttggtt tcttggttct gcttttttct tggctagacc 120
gaagtgtact agccaaggag ttgaagtttg tgactttggt gtttcggcat ggagaccgaa 180
gtccacttga cacttttccc actgacccca taaaggaatc ctcatggcca caaggatttg 240
gccaactcac ccagctgggc atggagcaga attatgaact tggagagtat ataagaaaga 300
gatatagaaa attcttgaat gactctata aacatgaaca ggtttatatt cgaagcacag 360
acgttgaccg gactttgatg aagtgtatg acaaacctgg caagcccg 408

```

<210> 421

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(352)

<223> n = A,T,C or G

<400> 421

```

gctcaaaaat ctttttactg atnggcctgg ctacacaaac attgactatt accgaggcca 60
gaggagaatg aggcctggcc tgggagccct gtgcctacta naagcacatt agattatcca 120
ttcaactgaa gaacagggtct tttttgggtc cttcttctcc accacnatac acttgacgtc 180
ctccttcttg aagattctttt ggcagttgtc tttgtcctaa ccacacaggtg tagaaacaag 240
ggtgcacacat gaaatttctg tttcgtagca agtgcctgtc tcacaagttg gcangtctgc 300
cactccaggt ttattgggtg tttgtttctt ttgagatcca tgcatttctt gg 352

```

<210> 422

<211> 337

<212> DNA

<213> Homo sapiens

<400> 422

```

atgcacccat gctggccaatg cagcggggcg tgaagggcct gcataatccg cccaagctgg 60
cgatgatcga cggcaaccgt tgccgaagt tgccgatgcc agccgaagcg gtggtaagg 120
gogatagcaa ggtgcggcg atcgcgcgcg cgtcaatctt ggccaaggtc agccgtgate 180
gtgaastggc agctgtogaa ttgatctacc cgggttatgg catcgggggg cataagggct 240
atccgacacc ggtgcacctg gaagccttgc agcggctggg gcgacggcg attcacccag 300
gtttcttccg ccggtacggc tggcctatga aaatttat 337

```

<210> 423

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(310)

<223> n = A,T,C or G

<400> 423

145

```

gctcaaaaat ctttttactg atatggcatg gctacacaat cattgactat tagagggccag 60
aggagaatga ggctggcctt ggagagcctg tgctactan agcncattt gattatccat 120
tcaatgacag aacaggtctt ttttgggtcc ttcttctcca ccacgatata cttgcagtc 180
tctttcttga agattctttg gcagttgtct ttgtcataac ccacaggtgt anaaacaagg 240
gtgcaacatg aaatttctgt ttcttagcaa gtgcattgtc cacagttgtc aagtctgccc 300
tccgagttta                                     310

```

<210> 424

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(370)

<223> n = A,T,C or G

<400> 424

```

gctcaaaaat ctttttactg ataggcatgg ctacacaatc attgactatt agagggccaga 60
ggagaatgag gcctggcctg ggagcctgtg gctactaga agcacattag attatccatt 120
cactgacaga acaggtcttt tttgggtcct tcttctccac cagcatatac ttgcagtcct 180
cctttcttga gattcttttg cagttgtctt ttgtcataac ccacaggtgt gaacatcct 240
ggttgaatct cctggaaact cctcattagg tatgaaatag catgatgat tgcataaagt 300
cacgaaggtg gcaagatca caacgtgct cagganaaca ttcattgtga taagcaggac 360
tccgtcgacg                                     370

```

<210> 425

<211> 216

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(216)

<223> n = A,T,C or G

<400> 425

```

aattgctatn ntttattttt ccactcaaaa taattaccaa aaaaaaaaaa tnttaaatga 60
taacaacnca acatcaaggc aaananaaca ggaatggntg actntgcata aatnggccga 120
anattatcca ttctnttaag ggttgacttc agntacagc acacagacaa acatgccccg 180
gaggtntca ggacgcctcg atgtntntg aggagg                                     216

```

<210> 426

<211> 596

<212> DNA

<213> Homo sapiens

<400> 426

```

cttcagtgga ggataaccct gttgccccgg gccgaggttc tccattaggc totgattgat 60
tggaagttag tgatggaggg gtgttctgat cattccgact gcccacaggg tgcgtggcca 120
gctctctgtt ttgtgaggtt ggccgttaga cctaatttgt taattaagag tagatggtga 180
gctgtccttg tattttgatt aaactaatgg ccttccagc agactcggg ttccagctgga 240
gacatcacgg caacttttaa tgaatgatt tgaagggcca ttaagaggca cttcccgtaa 300
ttaggacagt catctgcact gataactctt tggcagctga gctggtcgga gctgtggccc 360
aaacgcacac ttggcttttg gttttggat acaactctta atcttttagt catgcttgag 420
ggttgatggc cttttcagct ttaacccaat ttgcactgac ttggaagtgt agccaggaga 480
ataactcat atactgtgg gotttagagg ccacgcagat gtcattggtc tactgcctga 540
gtcccgctgg tcccatccca ggaccttcca tcggcgagta cctgggagcc cgtgct 596

```

146

<210> 427
 <211> 107
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(107)
 <223> n = A,T,C or G

<400> 427
 gaagaattca agttagggttt attcaagggttt cttaacagaga atcctanacc caggaccacag 60
 cccgggagaca gccttanaga gctcctgttt gactgcccgg ctcagng 107

<210> 428
 <211> 38
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(38)
 <223> n = A,T,C or G

<400> 428
 gaacttcena ansangactt tattcaactat ttacacatt 38

<210> 429
 <211> 544
 <212> DNA
 <213> Homo sapiens

<400> 429
 ctttgctgga cgggaataaaa gtggacgcaa gcatgacote ctgatgaggg cgtgcatttt 60
 attgaagagc ggctgcagcc ctgcgggttc gattaaaatc cgagaattgt atagacgcog 120
 atatccacga actcttgaag gactttctga ttatccaca atcaaatcat cggttttcag 180
 tttggatggt ggctcatcac ctgtagaacc tgccttgccc gtggtcggaa tccactcggt 240
 gccttccact tcagttacac ctcaactcac atcctctcct gttggttctg tgcgtcttca 300
 agatactaag cccacatttg agatgcagca gccatctccc ccaattcctc ctgtccatcc 360
 tgaigtgcag ttaaaaaatc tgccctttta tgatgtcctt gatgttctca tcaagaccac 420
 gagtttagtt caaagcagta ttcagcgatt tcaagagaag ttttttattt ttgcittgac 480
 acctcaacaa gttagagaga tatgcataac cagggatttt ttgccagggt gtaggagaga 540
 ttat 544

<210> 430
 <211> 507
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(507)
 <223> n = A,T,C or G

<400> 430
 cttatncas tggggctccc aaacttggtt gtgcagtggg aactccgggg gaattttgaa 60
 gaacactgac acccatcttc caccocgaca ctctgatita attgggtctc agtgagaaca 120

```

gagcatcaat ttaaaaaagct gccagaatg tntoctggg cagcgttgtg atctttgccc 150
ccttcgtgac tttatgcaat gcacatggt atttcatacc taatgagggg gtccagggag 240
attcaaccag gatgtttcta cnoctgtggg ttatgacaaa gacaaactgcc aaagaatnnt 300
caagaaggag gactgcaggt atactgtggt ggagaagaag gacccaaaaa agacotgttc 360
tgtcagtga tggataatct aatgtcttc tagtaggcac agggctocca ggccagpcct 420
cattctcttc tggcctctaa tagtcaatga ttgtgtagcc atgcctatca gtaaaaaagat 480
ttttgagcaa aaaaaaaaaa aaaaaaa

```

507

```

<210> 431
<211> 392
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

```

```

<400> 431
gaaaattcag aatggataaa aacaaatgaa gtacaaaaata ttccagattt acatagcgat 50
aaacaaggaaa gcacttatca ggaggactta caaatggaaag tacactctan aaccatcaco 120
tatcatggct aatgttgaga ttacgcacgc tgtattattt gtacattgca aacacctaga 180
aagagatggg aaacaaaatc ccaggagttt tgtgtgtgga gtctggggtt ttccaacaga 240
catcattoca gcattctgag attaggngya ttggggatca ttctggagtt ggaatgttca 300
acnaaagtga tgtgtttagg taaaatgtac aacttctgga tctatgcaga cattgaaggt 360
gcaatgagtc tggcttttac tctgtgttt ct

```

392

```

<210> 432
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G

```

```

<400> 432
gggtatccta cataatcaaa tatagctgta gtacatgttt tcattggngt agattaccac 60
aatgcaagg caacatgtgt agatctcttg tcttattctt ttgtctatca tactgtattg 120
ngtagtccaa gctctcgna gtccagccac tgnagaacat gctcccttta gattaacctc 180
gtggaacnctn ttgttgnatt gtctgaactg tagngccctg tattttgatt ctgtctgnga 240
attctgttgc ttctggggca ttctcttng atgcagagga ccaccacaca gatgacagca 300
atctgaattg ntccaatcac agctgcgatt aagacatact gaaatcgtao aggacgggga 360
acaactgata gaacactgga gtccctt

```

387

```

<210> 433
<211> 281
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(281)
<223> n = A,T,C or G

```

```

<400> 433
ttcaactagc anagaenact gcttcagggn gtgtaaaatg aaaggcttcc acgcagttat 50

```


148

```

ctgattaaag aacactaaga gagggacaag gctagaagcc gcaggatgtc tacactatag 120
caggcncctat ttgggttggc tggaggagct gtggaaaaca tggagagatt ggcgtggag 180
atgcgcgtgg ctattctctn ttgntattac accagngagg ntctctgtnt gccactggg 240
ttnnaaaaccg ntatacaata atgatagaat aggacacaca t 281

```

```

<210> 434
<211> 464
<212> DNA
<213> Homo sapiens

```

```

<400> 434
ttttaaaata agcatttagt gctcagtcce tactgagtac tcttctcttc cctctctctg 60
aatttaattc ttccaacttg caatttgcaa ggattacaca ttctcctgtg atgtatatgt 120
tggtgcacaa aaaaaaaagt gtctttgttt aaaattactt ggtttgtgaa tccctcttgc 180
tttttcccca ttggaactag tcattaaacc atctctgaac tggtagaaaa acatctgaag 240
agctagtcta tcagcctctg ccagggtgat tggatgggtc tcagaacctt ttcacccaga 300
cagcctgttt ctatctgttt taataaatla gtttgggttc tctacatgca taacaaacc 360
tgctccaatc tgtcacataa aagtctgtga cttgaagttt agtcagcacc cccaccsac 420
tttatttttc tatgtgtttt ttgcaacata tgagtgtttt gaaaataaag tccccatgtc 480
ttta 484

```

```

<210> 435
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<400> 435
gggcgcgtca gagcaggtea cttctgtcct tccacgtcct ccttcaagga agccccatgt 60
gggtagcttt caatctcgca ggttcttact cctctgcctc tataagctca aaccacccaa 120
cgatcgggca agtaaacccc ctccctcgcc gacttcggaa ctggcgagag ttcagcgcag 180
atgggcctgt ggggaggggg caagatagat gagggggagc ggcctgggtc ggggtgaccc 240
cttggagaga ggaanaaggc cacaagaggg gctgcacccg ccactaacgg agatggcct 300
ggttagagacc tttgggggtc tggaaacctc ggactcccca tgcctaaact cccaaactct 360
gctatcagaa acctaaactt gaggattttc tctgtttttc cctcgcaata aattcagagc 420
aaac 424

```

```

<210> 436
<211> 667
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (1)...(667)
<223> n = A,T,C or G

```

```

<400> 436
aacttgggaa nactctcaca atataaaggg togtagactt tactccaaat tccaaaaagg 60
tcttggccat gtaactctga aggttttccc aaggtagcta taaaatcctt ataaggggtc 120
agctcttctt ggaattcttc tgatttcaaa gtctcactct caagttcttg aaaaaggagg 180
cagttctctg aaggcaggta tagcaactga tcttcagaaa gaggaactgt gtgcacggg 240
atgggctgcc agagttagat aggatccag atgctgacac ctctcggggg aaacagggct 300
gcagggtttg tcatagcaet catcaagtc cggtcacagt ctgtgttctg aatataaacc 360
tgttcattgt tataggactc attcaagaat tttctatata tctttcttat atactctcca 420
agttcataat gctgctccat gcccagctgg gtgagttggc caaatccttg tggccatgag 480
gattccttta tggggtcagt gggaaaggtg tcaatgggac ttcggtctcc atgcccgaac 540
accaaaagtc caaatctca ctccttggct agtacacttc ggtctagcca gaaaaaagg 600
agaaaaaaga agccaaggct aaggcttgcct gccctgcccag gaggggggtt gcagctctca 660

```